









* PUBLIC DOCUMENT.....

.....No. 33.

TWENTY-EIGHTH ANNUAL REPORT

OF

T H E T R U S T E E S

OF THE

STATE LUNATIC HOSPITAL,

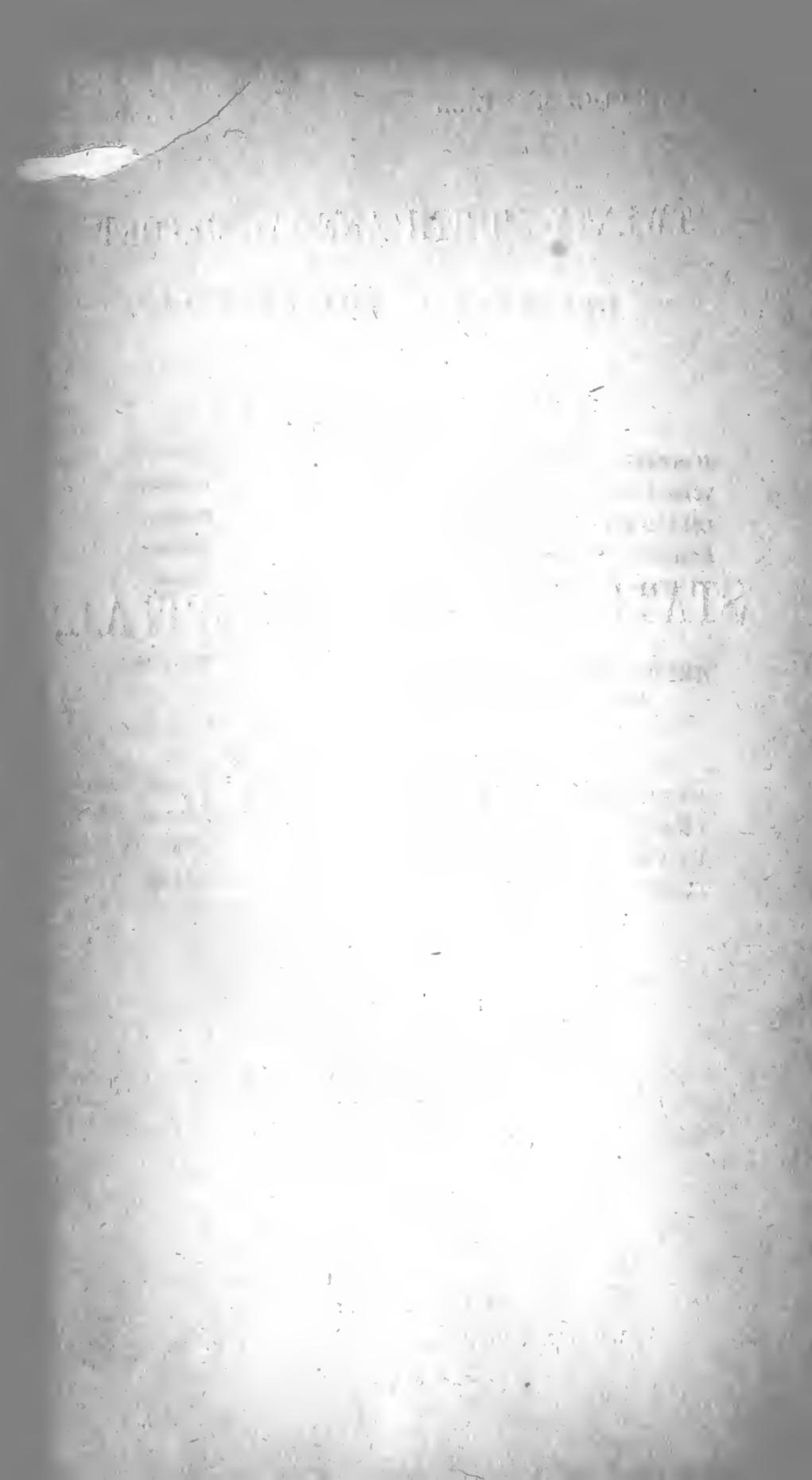
AT WORCESTER.

O C T O B E R , 1 8 6 0 .

B O S T O N :

WILLIAM WHITE, PRINTER TO THE STATE.

1 8 6 0 .



OFFICERS OF THE HOSPITAL.

T R U S T E E S .

JOSEPH N. BATES, <i>Chairman,</i>	. . . . .	Worcester.
WILLIAM T. MERRIFIELD,	. . . . .	Worcester,
CHARLES H. STEDMAN,	. . . . .	Boston.
ROBERT W. HOOPER,	. . . . .	Boston.
EDWIN F. JENKS,	. . . . .	Adams.

T R E A S U R E R .

HENRY WOODWARD,	. . . . .	Worcester.
<i>Office, Mechanics' Bank, Main Street.</i>		

R E S I D E N T O F F I C E R S .

MERRICK BEMIS, M. D.,	. . . . .	<i>Superintendent.</i>
FRANCK H. RICE, M. D.,	. . . . .	<i>Assistant-Physician.</i>
HENRY C. PRENTISS, M. D.,	. . . . .	<i>Clerk and Apothecary.</i>
CAROLINE A. BEMIS,	. . . . .	<i>Matron.</i>



TWENTY-EIGHTH ANNUAL REPORT

OF THE

TRUSTEES OF THE STATE LUNATIC HOSPITAL, AT WORCESTER.

To His Excellency, the Governor, and the Honorable Council:

The Trustees of the Worcester Hospital for the Insane beg leave to report the following statistics of the institution for the year ending October 1, 1860 :

		Men.	Women.	Total.
Patients in the house October 1, 1859,	. . .	152	165	317
Admitted during the year,	. . . . .	105	110	215
Under treatment,	. . . . .	257	275	532
Discharged recovered,	. . . . .	65	64	129
" improved,	. . . . .	17	18	35
" not improved,	. . . . .	8	7	15
Died,	. . . . .	12	10	22
Remaining October 1, 1860,	. . . .	155	176	331

The health of the patients during the year has been generally excellent. In the spring, a few cases of smallpox occurred, in nearly every instance of rather a mild form. The deaths that have occurred have been mostly among those who were affected

with bodily disease on entering the house. Except for a few weeks in August, the patients have been unusually quiet. Resort has been had to restraint in only a few cases—and that the mildest kind of restraint, to prevent accidents arising to the individuals themselves from their own violence. The condition of the hospital has been much improved during the last few years, making it nearly if not quite equal to the hospitals of more modern construction. The admirable system of ventilation and drainage has undoubtedly had a great effect in preventing epidemics to which crowded hospitals are liable. Until the new hospital at Northampton was finished, that at Worcester was unable to furnish beds, other than mattresses upon the floors, to more than about three-quarters of the inmates. Great judgment had to be used daily in selecting for such temporary accommodation those who would bear the inconvenience with composure.

The building is supplied, by a steam-engine, with volumes of pure air warmed to any required temperature; and, by the same power, the whole sewerage of the hospital is carried through conduits laid under ground, over the whole farm, which it serves to fertilize.

Much pains is taken to give every patient a proper amount of exercise out of doors, and to keep them cheerful and happy by work and amusement when in the house. The stone cells, once considered necessary appendages to a hospital, have been entirely abandoned during the last few years, and their places occupied by agreeable rooms for music, reading, and billiards. Those men who, while in health, had been used to out-of-door labor, have had ample opportunity for such work, when disposed to do it; thereby improving their own bodily and mental condition, and at the same time embellishing and cultivating the grounds about the house and farm. The number of days' work of men, thus gained, during the year, has been 5,732.

In addition to exercise and recreation out of doors for the women, there has been a large amount of useful labor, not only voluntarily, but gladly given by them, in various domestic duties, in the laundry and sewing-rooms, amounting during the year to 9,552 days' work.

Some measures are about to be taken to arouse the energies of the sluggish and desponding, and to repress the excessive

activity of others, by giving them an opportunity to engage in labor of greater variety and skill, and such as can be carried on in the winter and in stormy weather, when out-of-door occupations must, in a great measure, be suspended.

To make these necessary improvements, and place this hospital in a condition to receive and treat the large number of patients sent there, the Trustees have made use of such surplus income as they were able by strict economy to save from year to year. They had hoped, by a continued system of economy, to be able to reduce the price of board, to towns and individuals, as the next step in the means of contributing to the welfare of those under their charge. But the reduction lately made in the price allowed for the board of State patients, and the provision for the payment of salaries out of the funds of the hospital, have made this impossible at present. The argument used for reducing the allowance made for the beneficiaries of the State, that the buildings were erected by the Commonwealth, would apply equally to towns and individuals, who primarily furnish the means for all our charitable institutions. It is to be hoped that the legislature will so increase the amount allowed for the board of State patients, as to make the cost to all more nearly equal.

J. N. BATES.

WM. T. MERRIFIELD.

C. H. STEDMAN.

R. W. HOOPER.

EDWIN F. JENKS.

WORCESTER, October 14, 1860.

T R E A S U R E R ' S R E P O R T .

The Treasurer respectfully submits the following report.

Cash on hand September 30, 1859,	\$231 26
Received from the Commonwealth,	18,192 54
" " Towns and Individuals,	28,339 62
" " all other sources,	12,037 85
Due Mechanics' Bank,	955 74
	————— \$59,757 01

The payments have been as follows:

To Steward's orders,	\$54,562 37
Salaries,	3,575 26
Mechanics' Bank,	1,070 87
Collections, Stationery, &c.,	120 31
L. Dorman,	48 92
Abby Blanchard,	58 12
Ann Armsby,	26 33
Cash,	294 83
	————— \$59,757 01

H. WOODWARD, Treasurer.

WORCESTER, October 9, 1860.

S U P E R I N T E N D E N T ' S R E P O R T .

To the Trustees of the State Lunatic Hospital at Worcester.

Gentlemen,—In compliance with the by-laws of this hospital, and the statute laws of the Commonwealth, I respectfully submit the following brief record of the history of those committed to my care during the year now closed.

TABLE No. 1,
Showing the general results of the year.

		Males.	Females.	Total.
Patients in the hospital October 1, 1859, . . .		152	165	317
" admitted during the year,		105	110	215
Whole number under treatment,		257	275	532
Discharged recovered,		65	64	129
" improved,		17	18	35
" not improved,		8	7	15
Died,		12	10	22
Whole number discharged during the year, . .		102	99	201
" " remaining September 30, 1860,		155	176	331

By a reference to the foregoing table it will be seen that there were in the hospital October 1, 1859, three hundred and seventeen patients, one hundred and fifty-two of whom were males, and one hundred and sixty-five were females.

The number admitted during the year was two hundred and fifteen, of whom one hundred and five were males, and one hundred and ten were females.

The whole number under treatment during the year was five hundred and thirty-two, of whom two hundred and fifty-seven were males, and two hundred and seventy-five were females.

The whole number discharged during the year was two hundred and one, of whom one hundred and two were males, and ninety-nine were females.

The whole number remaining in the hospital at the close of the year was three hundred and thirty-one, of whom one hundred and fifty-five were males, and one hundred and seventy-six were females.

Of the two hundred and one patients discharged during the year, one hundred and twenty-nine had so far recovered their full measure of mental and physical health that they returned to their homes and resumed their ordinary labors.

Thus it will be seen by a glance at the accompanying tables, that the recoveries were in the ratio of fifty-five and one-third per cent. to the whole number admitted, or twenty-four and one-fourth per cent. to the whole number under treatment, and ninety-two per cent. to the number of those whose insanity had existed for a period less than one year.

A larger proportion of recoveries has seldom been reported in this hospital ; and the result, so gratifying, is due mainly to the fact that a large number of the admissions were recent cases of acute mania. Several other cases whose insanity had existed less than one year were suffering from a variety of nervous disorders produced by grief, anxiety, or long-continued watchfulness, and required only change of scene and hygienic treatment, to restore the proper balance of the mind and vigor of the bodily powers.

Of the thirty-five discharged as improved, a few returned to their homes in a very comfortable state of health, some were sent to almshouses, and others were transferred to other hospitals for the insane. Nearly all those discharged as not improved were transferred to other hospitals.

The standard of health, though always low in hospitals for the insane, has been, during the year, higher than usual. Late in the autumn there were a few cases of pneumonia of a mild

character; in the spring there were several cases of varioloid and smallpox; and in the summer three or four cases of measles.

During the months of July and August there was an unusual amount of noisy excitement in the house, such as generally attends acute mania. The general comfort of the institution was much disturbed in this way for a period of several weeks.

The importance of an early commitment to a hospital cannot be too strongly urged on the friends and guardians of those afflicted with mental disease, as the only reliable means of restoration. There still seems to be a prejudice in the minds of people against this early proceeding; for notwithstanding the gratifying results of the year, several cases have been committed to our care in such a state of debility and wretchedness, from long detention at home as to force upon us the conviction, that a commitment to the hospital was considered by the friends as little better than consigning their suffering relatives to a living grave. It should not be forgotton that in all hospitals for the insane, only those means best calculated to comfort, to improve and to restore are ever employed, and that nothing inconsistent with the best interests of the patient is ever practiced or permitted.

TABLE No. 2,

Showing the Admissions and the state of the Hospital from October 1 1859, to September 30, 1860.

Patients in the hospital October 1, 1859,	.	.	.	.	.	.	317
Males,	.	.	.	.	.	.	152
Females,	.	.	.	.	.	.	165
Patients admitted in the course of the year,	.	.	.	.	.	.	215
Males,	.	.	.	.	.	.	105
Females,	.	.	.	.	.	.	110
Patients remaining in the hospital September 30, 1860,	.	.	.	.	.	.	331
Males,	.	.	.	.	.	.	155
Females,	.	.	.	.	.	.	176
Of the admissions there were cases of less duration than one year,							139
Males,	.	.	.	.	.	.	64
Females,	.	.	.	.	.	.	75
Of the admissions there were cases of more than one year's duration,							76
Males,	.	.	.	.	.	.	41
Females,	.	.	.	.	.	.	35

TABLE No. 2—Continued.

State Paupers remaining in the hospital at the close of each year, as nearly as can be ascertained.

1842,	.	.	.	.	.	34		1852,	.	.	.	.	241
1843,	.	.	.	.	.	38		1853,	.	.	.	.	216
1844,	.	.	.	.	.	38		1854,	.	.	.	.	151
1845,	.	.	.	.	.	57		1855,	.	.	.	.	115
1846,	.	.	.	.	.	52		1856,	.	.	.	.	155
1847,	.	.	.	.	.	121		1857,	.	.	.	.	119
1848,	.	.	.	.	.	150		1858,	.	.	.	.	121
1849,	.	.	.	.	.	167		1859,	.	.	.	.	124
1850.	.	.	.	.	.	181		1860,	.	.	.	.	130
1851,	.	.	.	.	.	208							

The foregoing shows that you have discharged from the care and custody of the hospital, in the course of the year, seventy-nine patients who have no settlement in this Commonwealth. Few, if any, of them have been supported otherwise than by the

charity of the State. Mostly foreigners, they are very generally friendless, homeless and destitute when stricken down by disease, and if they so far recover as to come under your consideration for discharge, they have no places to which they can go, and no friends able to assist them.

It not unfrequently happens that families quite well to do, are broken up by the insanity of father or mother. The parent is placed in the hospital and the remaining members of the family struggle on against poverty and increasing hardship, until at length their courage and strength gives out, and they are separated. In the economy of charity the younger members are sent in one direction and the older ones in another. If in the process of time the insane one recovers, or but partially so, he sees nothing but ruin to all his social and domestic hopes. His family are scattered, and like himself subsisting from day to day on the bounty of public charity; or it may be his children are bound out to service, and thus placed beyond his control even after his restoration to health. With his own personal prospects of gaining a livelihood it is not much better. His occupation is gone, he is destitute of means and of friends, and he learns in his first efforts to procure labor that a residence in the wards of an insane hospital does not afford him the best recommendation.

Under all these circumstances, the Alien Passenger Commissioners find it necessary to place in the State almshouses a considerable number.

Places have been procured for a few others who are now out at service and receiving wages. Others have been assisted by the Alien Passenger Commissioners with means to reach their friends in other parts of the country.

You will remember that none of these patients have been recommended to you for discharge from the hospital, whose mental and physical health did not make such a step seem advisable.

Those patients removed from the hospital previous to recovery have been visited and carefully observed by the Commissioners or their agent before any steps have been taken to procure a discharge, and when relatives or friends have been known their pleasure has always been consulted in the matter. So that, while the Alien Passenger Commissioners and the

Board of Trustees have been equally desirous to relieve the Commonwealth of any unnecessary expense, the interests of the patients have always been as humanely regarded as was possible under the circumstances.

TABLE No. 3,

Showing the number Admitted, Restored, Improved, Died, etc., in each month during the year.

MONTH.	ADMITTED.			REMOVED.				REMAINING.			
	Males.	Females.	Total.	Restored.	Improved.	Not Improved.	Otherwise.	Total.	Males.	Females.	Total.
October, . . .	5	5	10	13	-	-	4	17	146	164	310
November, . . .	11	6	17	11	-	-	1	12	151	164	315
December, . . .	6	7	13	7	1	1	2	11	155	162	317
January, . . .	9	5	14	7	1	-	3	11	158	162	320
February, . . .	6	16	22	6	7	4	4	21	152	169	321
March, . . .	8	9	17	9	1	-	1	11	155	172	327
April, . . .	10	8	18	17	3	2	-	22	152	171	323
May, . . .	13	10	23	17	3	-	3	23	156	167	323
June, . . .	11	13	24	16	-	-	-	16	158	173	331
July, . . .	9	9	18	10	1	-	3	14	160	175	335
August, . . .	9	13	22	10	1	1	1	13	161	183	344
September, . . .	8	9	17	14	9	7	-	30	155	176	331
Totals, . . .	105	110	215	137	27	15	22	201			

TABLE No. 4,

Showing the Form of Disease in those Admitted and Discharged during the year.

FORM OF DISEASE.	ADMITTED.			DISCHARGED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania,	39	42	81	41	39	80
“ Chronic,	4	5	9	4	3	7
“ with Epilepsy,	3	2	5	4	2	6
“ with general Paralysis,	4	—	4	1	—	1
Melancholia,	18	21	39	14	16	30
Dementia,	14	19	33	18	17	35
“ Senile,	2	2	4	—	—	—
“ with Epilepsy,	5	2	7	3	5	8
“ with general Paralysis,	3	—	3	1	—	1
Monomania of Fear,	3	7	10	1	3	4
“ Pride,	2	—	2	—	1	1
“ Suspicion,	8	10	18	3	3	6
Idiocy,	—	—	—	—	—	—
Totals,	105	110	215	90	89	179

TABLE No. 5.

Supposed Causes of Insanity of Patients admitted into the Hospital from January, 1833, to September 30, 1860.

CAUSES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Apoplexy,	—	—	2	—
Asthma,	—	—	2	—
Bronchitis,	—	—	2	13
Chorea,	—	—	—	2
Constipation,	2	—	—	1
Convulsions,	—	—	8	6
Dysentery,	—	—	1	2
Dyspepsia,	2	3	4	3
Epilepsy,	5	2	90	37
Eruptive Diseases,	—	—	5	5
Eyes, Disease of,	—	—	1	—
“ Loss of,	—	—	1	—
Fever,	1	2	28	35
Ill Health,	25	34	166	529

TABLE No. 5—Continued.

CAUSES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Influenza,	—	—	1	5
Insolation,	1	—	14	—
Laryngitis,	—	—	—	1
Nervous Irritation,	—	—	—	4
Nymphomania,	—	—	—	1
Old Age,	2	1	10	4
Otitis,	—	—	3	—
Palsy,	2	1	38	24
Pneumonia,	—	—	—	1
Rheumatism,	—	—	3	1
Scrofula,	3	2	—	2
Sea-sickness,	—	—	—	1
Somnambulism,	—	—	—	1
Suppressed Eruption,	1	—	5	4
Suppressed Ulcer,	1	—	1	3
Tic Douloureux,	—	—	—	1
Tumor,	—	—	—	1
Whooping Cough,	—	—	—	1
Amenorrhœa,	—	3	—	16
Lactation, Excessive,	—	—	—	5
Menorrhagia,	—	2	—	3
Menorrhagia, Suppressed,	—	5	—	5
Miscarriage,	—	1	—	1
Pregnancy,	—	1	—	4
Puerperal,	—	2	—	141
Turn of Life,	—	7	—	32
Amputation of Leg,	—	—	1	—
Bathing in Cold Water,	—	2	2	—
Drinking Cold Water,	—	—	1	—
Exposure to Cold,	—	—	6	—
Injury by Falling, &c.,	2	—	7	3
" of Head,	2	—	45	8
" of Spine,	1	—	2	1
Lead, Poison of,	—	—	2	—
Lightning, Stroke of,	—	—	1	1
Labor, Excessive,	—	2	28	51
Loss of Sleep,	2	—	—	5
Study, Excessive,	—	—	25	6
Spiritualism,	—	—	11	14
Criminal Trial,	—	—	—	1
False Accusation,	—	—	—	1
Imprisonment,	4	—	5	1
Death of Relatives,	1	1	19	53
Domestic Trouble,	9	17	118	295
Marriage, Unhappy,	—	—	4	2
Disappointment in Love,	—	—	55	61
Disappointed Ambition,	—	—	6	6
Homesickness,	2	3	1	5
Fright,	1	—	14	18

TABLE No. 5—Continued.

CAUSES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Seduction,	-	1	-	1
Political Excitement,	-	-	13	-
Religious Excitement,	1	2	130	166
Pecuniary Trouble,	3	-	117	23
Poverty,	-	-	-	1
" Fear of,	3	1	30	11
Giving up Business,	-	-	3	-
Change of Business,	-	-	5	-
Violent Temper,	1	2	2	16
Jealousy,	2	4	17	23
Intemperance,	17	4	139	55
Opium, Use of,	1	1	1	4
Tobacco, Use of,	-	-	1	3
Masturbation,	6	4	242	28
Venery, Excess of,	-	-	1	-
Of the above there were:				
Hereditary Cases,	14	17		
Periodical "	7	19		
Homicidal "	9	2		
Suicidal "	11	13		

An attempt to set forth with exactness the relative influence of the various causes of insanity is extremely difficult. All statistical tables are subject to error, and hence great caution is necessary in drawing conclusions, even from those prepared by the most skilful observers. It often happens that statistical statements transmitted with the patients received into the hospital, are either carelessly filled up, or the real cause of the attack is not given.

Thus masturbation, intemperance, and other causes disagreeable to the patient's friends, but which may have been the most influential agents in producing the disease, are in the official statement replaced by "unknown," "ill health." An affectionate and well-intended reluctance to publish the moral and intellectual infirmities of an afflicted friend may induce those relied on for information on the subject to ignore the facts in the case, and ascribe the existence of the malady to some trivial and inefficient agency.

Thus it happens that upon the records of the hospital we find such causes as "sore finger," "bite of dog." But if all the

agencies named in the table were given in good faith, and if they really point out conditions predisposing individuals to mental disease, we are led to recognize a strong similarity between the causes of insanity and of other disorders of the nervous system.

Indeed there is hardly an assigned cause contained in the table, moral or physical, which may not induce in other persons chorea, epilepsy, convulsions, or paralysis. It is necessary, therefore, in attempting to investigate the diversified causes of insanity, to divest the mind of any previous ideas which might bias the judgment, and attend closely to the facts which have been recorded by intelligent observers, and which, if in themselves imperfect, giving only a partial light, are much better than any preconceived notions or theoretical speculations. By so doing we may hope eventually to arrive at some more satisfactory conclusion regarding the nature and cause of mental disease, and thus be able to exercise some control over the conditions which produce so great an evil.

Fifty-nine patients have been admitted in the course of the year, who for a considerable period of time previous to the development of mental disease had been afflicted with ill health in some of its many forms. There can be no doubt that in nearly every case of insanity the attack is preceded by a bad state of the physical health. In short, that insanity is a disease of debility, not of strength, and that it generally arises from defective nutrition, transmitted weakness, or physical depression produced by personal privation or suffering. Insanity is never a spiritual malady, a disease of the soul, a sickness of the immaterial principle; but the perverted action of the mind resulting from a defect in its material instrument. Whatever disturbs the general health, whatever weakens the bodily powers, disturbs and deranges the healthy operations of the mind. Whatever strengthens the body does much towards restoring the integrity of the mental faculties. The mind under all conditions partakes of the health of the body, and is depressed, irritated, and morose, or calm, clear, and cheerful, according as the body is well fed, properly clothed, and thoroughly exercised.

Intemperance was assigned as the cause of insanity in twenty-one cases admitted in the course of the year, and in nearly five hundred cases since the opening of the hospital in 1833.

Intemperance in the use of intoxicating drinks, disturbs and exhaust the brain, and affects its power of correct and ready action ; and hence the mind becomes wayward, its operations uncertain, and the individual is unfitted for the highest duties of life. Hence follow derangements in the affairs of the world. Hence, too, follow ill health, disorders of the nervous system, and insanity, which finds so frequent an origin in the exhausting effects of intoxicating drinks, especially among the poor. Every habit and condition which depreciates the vital force, lowers the tone of the muscular system, and diminishes the physical energies, lessens thereby the power of labor and of production ; in the same manner it also lowers the tone of the brain, and the capacity of self-management. In this state the mind is over-taxed by the ordinary cares of life. It struggles and suffers, and may become permanently deranged. But intemperance has its first depressing effect on the energy of physical action and the soundness of the understanding in worldly affairs, and secondly on the power and discipline of the mental faculties.

It produces insanity, not so much by excitement, as by reaction and depression. The intemperate man also refuses his food, and in his neglect to supply his body with solid sustenance, substitutes a drink that contains but few of the elements of nourishment. He thus actually starves his body, while he ruins his powers of digestion, and hastens on his insanity, by continually taking that which produces fits of unhealthy depression of the mental faculties.

Domestic affliction consigned to the care of the hospital its usual proportion of cases. Long protracted grief, from whatever source, by producing watchfulness, or unrefreshing sleep, by impairing the appetite and disturbing the process of digestion is one of the most common causes of nervous disorders in general, and is not unfrequently productive of permanent disorder of the mental operations.

TABLE No. 6.

Diseases which have proved Fatal from Jan. 18, 1833, to Sept. 30, 1860.

DISEASES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Apoplexy,	.	-	15	9
Asthma,	.	-	4	1
Anaemia,	.	-	1	1
Asphyxia,	.	-	1	-
Bronchitis,	.	-	2	-
Brain Fever,	.	-	1	-
Consumption,	.	1	2	34
Convulsions,	.	-	3	1
Cholera Morbus,	.	-	2	3
Cholera,	.	-	5	-
Cancer,	.	-	1	1
Congestion of Lungs, " of Brain,	.	-	1	1
Chronic Dysentery,	.	-	2	-
Chronic Meningitis,	.	-	3	-
Dysentery,	.	-	10	6
Dropsy,	.	-	5	7
Delirium Tremens,	.	-	3	-
Disease of Heart, " of Bladder, " of Brain,	.	-	9	11
Diarrhoea,	.	-	13	8
Enteritis,	.	-	3	6
Epilepsy,	.	3	2	50
Exhaustion,	.	2	2	29
Erysipelas,	.	-	9	10
Gangrene of Lungs,	.	-	1	2
Hydrothorax,	.	-	1	1
Hemorrhage,	.	-	4	4
Hemoptysis,	.	-	1	-
Inflammation of Bowels,	.	-	3	3
Jaundice,	.	-	-	2
Marasmus,	.	1	2	47
Mortification,	.	-	-	1
Maniacal Exhaustion,	.	1	1	4
Malignant Fever,	.	-	-	1
Old Age,	.	2	1	15
Palsy,	.	-	-	18
Pneumonia,	.	-	-	9
Pleurisy,	.	-	-	1
Rupture,	.	-	-	1
Syncope,	.	-	-	1
Suicide,	.	1	-	14
Smallpox,	.	1	-	-
Suppurative Phlebitis,	.	-	-	1
Typhoid Fever,	.	-	-	8
Typho-Mania,	.	-	-	7

Three patients died during the year who were more than eighty years of age. Two were between the ages of seventy and eighty years, and three were between sixty and seventy years of age.

One of those who died during the year had been an inmate of the hospital for a period of more than thirteen years; one had resided here twelve years; another more than eleven years, and three others more than ten years each.

Two patients who died during the year were brought to the hospital in such a feeble state of health that they could not sit up at all, and neither of them ever recruited in the least, although they lived several weeks.

TABLE No. 7,

Showing the Ages of Patients Admitted, Discharged, Recovered, not Recovered, and Died during the year.

AGES.	ADMITTED.		DISCHARGED RE-COVERED.		DISCHARGED NOT RECOVERED.		DIED.	
			Males.	Females.	Males.	Females.	Males.	Females.
	Males.	Females.						
Less than 15,	2	3	—	—	—	—	—	—
From 15 to 20,	4	5	3	4	—	—	—	—
20 to 30,	28	30	19	17	1	2	1	1
30 to 40,	36	41	25	24	6	4	1	2
40 to 50,	15	18	15	14	8	10	1	1
50 to 60,	12	7	4	3	4	3	4	3
60 to 70,	5	3	3	4	1	2	2	2
70 to 80,	2	2	—	2	1	—	1	—
80 to 90,	1	1	—	—	—	—	2	1
Totals, . . .	105	110	69	68	21	21	12	10

TABLE No. 8,

Showing the Duration of Insanity before admission of Patients admitted from January 18, 1833, to September 30, 1860.

DURATION OF INSANITY.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Insane less than 1 year,	64	75	1,465	1,701
Insane more than 1 y'r and less than 2 yr's,	17	13	340	298
2 y'r's and less than 5 y'r's,	13	11	442	383
5 y'r's and less than 10 y'r's,	6	3	223	179
10 y'r's and less than 15 y'r's,	3	4	119	132
15 y'r's and less than 20 y'r's,	2	1	37	37
20 y'r's and less than 25 y'r's,	—	1	38	41
25 y'r's and less than 30 y'r's,	—	—	17	9
30 y'r's and more,	—	—	24	24
Unascertained,	—	2	228	239
Totals,	105	110	2,933	3,043

TABLE No. 9,

Showing the Ages of Patients admitted to the Hospital from January 18, 1833, to September 30, 1860.

AGES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Less than 15 years of age,	1	—	25	28
Between 15 and 20 years of age,	5	8	216	198
20 and 30 " "	38	39	862	838
30 and 40 " "	25	29	754	840
40 and 50 " "	19	20	476	523
50 and 60 " "	7	5	337	381
60 and 70 " "	5	4	193	152
70 and 80 " "	2	2	54	53
More than 80 years of age,	3	3	8	15
Unascertained,	—	—	8	17
Totals,	105	110	2,933	3,043

TABLE No. 10,

Showing the Civil Condition of Patients admitted to the Hospital from January 18, 1833, to September 30, 1860.

CIVIL CONDITION.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Unmarried,	53	47	1,472	1,380
Married,	44	49	1,274	1,257
Widowers,	6	—	144	—
Widows,	—	11	—	369
Unascertained,	2	3	43	37
Totals,	105	110	2,933	3,043

TABLE No. 11,

Showing the Admissions from each County from January 18, 1833, to September 30, 1860.

COUNTIES.	1860.			Previously.	Whole No.
	Males.	Females.	Total.		
Barnstable,	—	—	—	126	126
Berkshire,	1	1	2	185	187
Bristol,	—	1	1	289	290
Dukes,	—	—	—	19	19
Essex,	17	20	37	815	852
Franklin,	1	1	2	123	125
Hampden,	—	1	1	351	352
Hampshire,	—	—	—	220	220
Middlesex,	30	27	57	832	889
Nantucket,	—	—	—	31	31
Norfolk,	2	4	6	581	587
Plymouth,	—	—	—	233	233
Suffolk,	10	9	19	637	656
Worcester,	44	46	90	1,517	1,607
Other States,	—	—	—	17	17
Totals,	105	110	215	5,976	6,191

TABLE No. 12,

Showing the Occupation of Patients admitted into the Hospital from January 18, 1833, to September 30, 1860.

OCCUPATION OF PATIENTS.	1860.	Previously.
MALES.		
Auctioneers,	-	3
Armorers,	-	3
Authors,	-	1
Blacksmiths,	-	34
Bakers,	-	6
Butchers,	-	6
Bookbinders,	-	7
Boot-makers,	2	17
Brokers,	-	3
Book-keepers,	2	6
Britannia-workers,	-	2
Brickmakers,	-	5
Bellows-makers,	-	2
Brewers,	-	2
Basket-makers,	-	-
Bricklayers,	1	4
Butlers,	-	2
Barbers,	2	3
Clergymen,	-	19
Carpenters,	3	117
Coppersmiths,	-	6
Coopers,	-	16
Cabinet-makers,	1	11
Calico-printers,	-	3
Clothiers,	-	17
Comb-makers,	-	4
Coach-makers,	-	8
Card-makers,	-	2
Chair-makers,	-	4
Cigar-makers,	-	3
Coachmen,	-	16
Clerks,	4	29
Carpet weavers,	-	1
Curriers,	-	7
Cashiers of Banks,	-	4
Cordwainers,	2	4
Collectors,	-	2
Caulkers,	-	4
Chandlers,	-	5
Camphene distillers,	-	1
Conductors on Railroads,	1	2
Dyers,	-	4
Druggists,	-	3
Draymen,	-	3
Drovers,	-	1

TABLE No. 12—Continued.

OCCUPATION OF PATIENTS.	1860.	Previously.
Dancing masters,	.	1
Daguerreotypists,	.	2
Engravers,	.	3
Editors,	.	4
Express-men,	.	3
Farmers,	.	17 459
Fishermen,	.	1 15
Fruiterers,	.	— 4
Gunsmiths,	.	— 3
Gardeners,	.	— 10
Grocers,	.	— 3
Glass-blowers,	.	— 3
Gilders,	.	— 2
Hotel-keepers,	.	— 16
Hatters,	.	— 3
Hostlers,	.	— 1 10
Housewrights,	.	— 7
Harness-makers,	.	— 7
Ironmongers,	.	— 3
Jewellers,	.	— 12
Lawyers,	.	— 12
Laborers,	.	29 350
Last-makers,	.	— 1
Manufacturers,	.	— 1 33
Millers,	.	— 16
Merchants,	.	— 113
Masons,	.	— 17
Miners,	.	— 5
Mat-makers,	.	— 3
Miniature painters,	.	— 1
Musicians,	.	— 7
Machinists,	.	— 2 33
Messengers,	.	— 2
Moulders,	.	— 6
Millwrights,	.	— 1
Nailers,	.	— 1
Newsmen,	.	— 3
Optician,	.	— 1
Operatives in Mill,	.	— 4 54
Oystermen,	.	— 4
Painters,	.	— 1 30
Printers,	.	— 29
Physicians,	.	— 11
Paper-makers,	.	— 4
Peddlers,	.	— 18
Pilots,	.	— 1
Potters,	.	— 3
Porters,	.	— 9
Pump and Block-makers,	.	— 3
Pattern-makers,	.	— 5

TABLE No. 12—Continued.

OCCUPATION OF PATIENTS.	1860.	Previously.
Police officers,	—	4
Rope-makers,	—	9
Riggers,	—	3
Restaurators,	—	7
Shoemakers,	19	208
Sail-makers,	—	9
Soap-makers,	—	4
Sash and blind-makers,	—	2
Stage drivers,	—	5
Sea captains,	—	15
Sailors,	3	101
Saddlers,	—	9
Silversmiths,	—	19
Students,	—	49
Stock-maker,	—	1
Silk-weavers,	—	2
Ship carpenters,	—	17
Ship brokers,	—	2
Shopkeepers,	2	5
Stonecutters,	—	14
Soldiers,	2	5
Spinners,	—	13
Sheriffs,	—	3
Shoe dealers,	—	5
Stable keepers,	—	2
Shoe binders,	—	7
Tailors,	1	15
Teachers,	—	52
Tobacconists,	—	3
Teamsters,	—	12
Tinners,	—	2
Umbrella-makers,	—	4
Victuallers,	—	3
Wheelwrights,	—	14
Watchmakers,	—	4
Wood-turners,	—	3
Watchman,	—	1
Whip-maker,	—	1
Weavers,	2	18
No occupation,	—	3
 FEMALES.		
Carpet-weavers,	—	2
Cooks,	4	58
Chamber maids,	5	36
Dress-makers,	7	53
Engravers,	—	1
Housekeepers,	41	1,001
House maids,	8	138
Laundresses,	2	53

TABLE 12—Continued.

OCCUPATION OF PATIENTS.	1860.	Previously.
Milliners,	3	27
Mantuamakers,	—	6
Midwife,	—	1
Nurses,	1	14
Nurserymaids,	—	21
Operatives in mill,	11	133
Seamstresses,	13	317
Straw-sewers,	—	10
Shoe-binders,	2	17
Students,	—	4
School girls,	3	44
Teachers,	—	61
Tailoresses,	—	38
Type-setters,	—	2
Wool stapler,	—	1
Weavers,	2	18
No occupation,	8	6

TABLE No. 13,

Showing the whole number of Patients during the last year, the average number, the number at the end of each year, the expense of each year, and the annual expense for each Patient for each of the twenty-eight years the Hospital has been in operation.

Year.	Whole No.	Average No.	No. at end of each year.	Current expenses of each year.	Annual expense for each patient.
1833, .	153	107	114	\$12,272 91	\$114 67
1834, .	233	117	118	15,840 97	135 38
1835, .	241	120	119	16,576 44	137 30
1836, .	245	127	138	21,395 28	168 44
1837, .	306	163	185	26,027 07	159 64
1838, .	362	211	218	28,739 40	136 20
1839, .	397	223	229	29,474 41	132 16
1840, .	391	229	236	27,844 98	121 59
1841, .	399	233	232	28,847 62	123 81
1842, .	430	238	238	29,546 87	111 12
1843, .	458	244	255	27,914 12	114 40
1844, .	491	261	263	29,278 75	112 17
1845, .	656	316	360	43,888 65	138 88
1846, .	637	359	367	39,870 37	111 06
1847, .	607	377	394	39,444 47	104 62
1848, .	655	404	409	42,860 05	106 09
1849, .	682	420	429	40,870 86	97 31
1850, .	670	440	441	46,776 13	106 40
1851, .	704	462	466	52,485 33	112 61
1852, .	775	515	532	43,878 35	85 20
1853, .	820	537	520	53,606 66	103 14
1854, .	819	430	381	53,221 52	123 77
1855, .	580	349	336	54,895 88	157 29
1856, .	577	357	376	45,631 37	128 64
1857, .	647	387	372	49,004 75	124 04
1858, .	679	372	301	38,267 26	102 86
1859, .	501	309	317	48,363 33	156 51
1860, .	532	324	331	47,757 01	147 39

TABLE NO. 14,

Showing the Statistics of the Hospital from January 18, 1833, to September 30, 1860.

Whole number admitted,	153	199	113	125	168	177	179	162	163	198	220	336	293	277	240	261	273	241	263	309	288	299	199	241	271	307	200	215
Whole number discharged,	39	115	112	106	121	144	168	155	167	191	203	228	196	270	213	246	253	229	256	243	300	438	244	207	275	376	184	201
Discharged recovered,	25	64	52	58	69	76	80	82	82	88	116	124	122	154	103	136	138	125	111	103	145	122	109	97	150	127	89	129
Discharged improved,	7	22	23	24	29	27	36	25	32	40	25	31	23	32	26	15	38	34	36	53	26	46	75	174	52	35		
Discharged not improved,	2	20	28	22	20	28	27	29	37	66	33	49	25	47	57	48	52	32	50	61	78	229	79	23	6	41	13	15
Died,	4	8	8	8	9	16	22	15	12	22	15	24	38	30	30	37	57	39	45	41	34	29	35	44	34	30	22	
Eloped,	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3	—	3	—	—		
Whole No. in hospital course of the year,	153	223	241	245	306	362	397	391	399	430	458	491	556	637	607	655	682	670	704	775	820	819	580	577	647	679	501	532
No. remaining at the end of each year,	114	118	109	138	185	218	229	236	332	238	255	263	360	367	394	409	429	441	466	532	520	381	336	376	372	301	317	331
Males admitted,	96	6	57	66	94	96	80	75	73	107	111	109	164	138	105	128	134	129	125	148	136	125	86	112	126	142	106	105
Females admitted,	57	51	62	59	74	81	99	87	90	91	109	127	129	139	135	133	139	112	138	161	152	174	113	129	145	165	94	110
Males discharged,	19	58	57	56	65	74	66	59	71	96	92	108	100	128	116	120	131	120	111	126	133	193	98	97	132	180	95	90
Females discharged,	15	48	46	41	47	54	80	81	84	83	89	105	96	142	97	126	122	109	127	117	167	240	119	114	143	196	89	89
Males died,	8	5	4	6	6	10	14	9	7	8	8	9	15	20	18	15	19	29	13	20	20	15	18	19	18	20	12	
Females died,	1	3	4	2	3	6	8	6	5	9	14	6	9	18	12	15	18	28	26	25	21	19	14	17	25	16	10	10
Sent in by courts,	109	55	90	119	129	123	123	106	110	157	152	158	167	143	135	166	206	194	184	259	241	220	160	193	182	151	134	158
Sent in by friends and overseers,	44	64	23	8	39	54	56	56	53	41	68	78	126	134	105	95	67	47	73	50	47	57	36	48	89	22	66	57
Sent in by governor's warrant,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	3	—	—	88	—	
Males recovered,	13	33	27	32	37	45	32	28	37	44	53	56	64	72	48	67	70	60	56	55	65	45	50	46	74	55	43	65
Females recovered,	12	31	25	26	32	31	48	54	45	44	63	68	58	82	55	69	68	55	48	80	77	59	51	76	72	46	64	
Average number in hospital,	107	117	120	127	163	211	223	229	238	244	261	316	359	377	404	420	440	462	515	520	480	349	357	387	372	303	324	

[Oct.]

TABLE No. 15.
Per Cent.

Per cent. of recovery of recent cases,	82	82	84	89	86	90	91	91	88	98	89 $\frac{1}{2}$	79	72	86	84	87	82	77	83	80	92	78	76	78	75	92					
Per cent. of recovery of all discharges,	-	-	54	46	53	57	52	47	53	49	46	59	54	62 $\frac{1}{2}$	57	49	55	54	54	46	42	46	52	45	48	65	64				
Per cent. of recovery of old cases,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Per cent. of admissions of the most prominent causes each year:—	III health,	•	•	•	•	•	8	18	21	22	21	28	27	25	23	18	16	15	18	11	17	18	18	11	9	9	7				
Religious,	•	•	•	•	•	9	6	7	6	9	5	4	4	4	9	13	9	7	10	6	1	2	4	2	3	4	3				
The affections,	•	•	•	•	•	14	12	17	16	15	25	17	13	15	9	10	14	1	12	11	10	8	11	6	2	8	5				
Property,	•	•	•	•	•	7	11	9	6	6	10	6	5	4	5	7	3	9	5	3	2	4	3	2	3	2	1				
Intemperance,	•	•	•	•	•	25	24	23	15	10	16	8	12	12	8	6	8	10	7	5	4	3	4	2	2	4	2				
Masturbation,	•	•	•	•	•	5	6	7	16	21	6	8	7	6	4	3	2	6	3	2	4	3	4	2	4	3	1				
Per cent. of deaths of all in the hospital each year,	•	•	•	•	•	2.61	3.43	3.31	3.26	2.94	4.42	5.53	3.88	3.	2.73	4.08	3.05	4.31	5.96	4.94	4.58	5.42	8.05	5.53	5.81	5.	5.58	4.06	6.	6.8	
Per cent. of deaths of average number of residents each year,	•	•	•	•	•	3.07	6.08	6.66	6.03	5.05	7.58	9.86	6.55	5.15	5.	9.	5.74	7.59	10.55	7.95	7.92	9.00	12.95	8.00	8.73	7.88	7.09	7.07	9.08	11.	9.1

T A B U L A R V I E W.

TABULAR VIEW

Of the Condition of the Patients in the State Lunatic Hospital, from Oct. 1, 1859, to Sept. 30, 1860, inclusive.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Hereditary.	Periodical.	Homicidal.
2	Jan. 22	55	Male	Widower	Religious, .	. 17 years	The Court	27 yrs 8 mths	Remains	Not improved	Hereditary.	Homicidal.	do	do
	1833				Love affair, .	. 6 months	The Friends	23 yrs 4 mths	do	do				
582	May 26	37	Femal	Single	Unknown, .	. 3 do	The Court	21 yrs 9 mths	do	Improved	do			
876	Dec. 28	24	Male	do	III health, .	. 2 do	The Overseers	21 yrs 6 mths	do	do	do			
895	Mar. 1	30	Female	do	Masturbation, .	. 9 years	The Court	21 yrs 2 mths	do	do				
973	Aug. 5	33	Male	do	do	. 6 do	do	20 yrs 5 mths	do	Not improved				
1092	April 21	26	Female	do	III health, .	. 2 do	do	20 yrs 1 mth	do	Improved				
1156	Sept. 4	40	Male	Married	Unknown, .					do				
1252	April 29	31	Female	do	III health, .	. 2 months	The Friends	19 yrs 5 mths	do	Not improved				
	1842				Masturbation, .	. 6 years	The Court	18 yrs 8 mths	do	do	do			
1390	Jan. 24	29	Male	Single	Unknown, .	. 2 do	do	18 yrs 7 mths	do					
1409	Feb. 28	30	do	do	do	. 13 do	do	18 yrs 2 mths	do					
1481	July 15	36	do	do	do	. 13 do	do	17 yrs 4 mths	Died					
1533	Oct. 11	40	do	do	Masturbation, .	. 3 months	do	17 yrs 9 mths	Remains	Palsy	do			
1565	Dec. 7	22	do	do	do					Improved				
1583	Jan. 15	28	do	do	Unknown, .	. 6 years	do	17 yrs 9 mths	do	Not improved				
1655	May 18	50	Female	do	III health, .	. 1 do	do	17 yrs 4 mths	do	do	do			
1696	July 15	55	do	Married	Masturbation, .	. 2 do	do	17 yrs 2 mths	do					
	1772 Nov. 16	29	Male	Single	do	. 7 do	do	16 yrs 10 mths	do					
1814	Oct. 2	36	Female	Married	Unknown, .	. 5 do	do	16 yrs	do					
1985	do 12	46	do	do	do	. 2 do	do	16 yrs	do					
2047	Jan. 8	21	Male	Single	Masturbation, .	. 6 do	The Overseers	15 yrs 7 mths	do					
2197	July 22	21	do	do	do	. 2 do	The Friends	15 yrs 2 mths	do					

LUNATIC HOSPITAL AT WORCESTER.

[Oct.]

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.	Periodical.
4414	Sept. 23	23	Female	Married	Unknown, Over exertion,	1 year	Overseers Probate Court	7 years	Remains do	Not improved	do	do	Periodical.
4431	Oct. 19	30	do	do	Unknown, Love affair and religion,	3 do	Overseers Probate Court	7 years	do	Improved	do	do	do
4493	Jan. 13	63	Male	Widower	Epilepsy,	20	do	6 yrs 8 mths	do	do	do	do	do
4566	April 13	42	Female	Single	Unknown, Unknown,	20	do	6 yrs 10 mths	Died	do	do	do	do
4570	do 20	38	do	do	Epilepsy, Unknown,	years	Unknown	Transferr'd	Not improved	do	do	do	do
4586	do 28	53	do	do	Unknown, Epilepsy,	2 do	Munic'l Court Gov. warrant	6 yrs 4 mths	Improved	do	do	do	do
4613	June 3	35	do	do	Unknown, Unknown,	2 do	Overseers Probate Court	6 yrs 4 mths	Remains	do	do	do	do
4629	do 15	40	do	do	Loss of wife, Unknown,	2 months	do	5 yrs 11 mths	Discharged	Improved	do	do	do
4650	July 3	66	Male	Widower	do	11 years	Overseers Probate Court	6 yrs 3 mths	Remains	do	do	do	do
4634	Aug. 31	45	do	do	do	11 years	do	6 yrs 1 mth	do	do	do	do	do
4658	Sept. 2	65	do	do	do	9 do	do	6 yrs 1 mth	do	do	do	do	do
4705	do 13	25	Female	Married	do	3 days	Overseers Probate Court	6 years	do	do	do	do	do
4710	do 28	27	do	do	do	3 years	do	5 years	do	do	do	do	do
4721	Oct. 11	43	Male	do	do	do	do	5 years	do	do	do	do	do
4727	do 23	34	Female	do	Masturbation,	do	do	5 years 11 mths	Remains	do	do	do	do
4741	Nov. 16	23	Male	do	Unknown,	do	do	5 yrs 10 mths	do	do	do	do	do
4742	do 18	30	do	do	do	do	do	5 yrs 10 mths	do	do	do	do	do
4746	do 20	42	do	do	do	do	do	5 yrs 10 mths	do	do	do	do	do
4788	Feb. 2	12	do	do	do	do	Unknown C. C. Pleas	5 yrs 7 mths	do	do	do	do	do
4794	do 17	45	Female	Married	Spiritualism,	4 years	Probate Court	5 yrs 7 mths	do	do	do	do	do
4832	April 18	44	Male	Single	do	3 do	do	5 yrs 5 mths	do	do	do	do	do
4851	May 17	40	do	do	do	5 do	do	5 yrs 4 mths	do	do	do	do	do
4854	June 7	19	do	do	Masturbation,	5 do	Overseers Probate Court	5 yrs 3 mths	do	do	do	do	do
4858	do 11	36	Female	do	Unknown,	5 do	do	5 yrs 3 mths	do	do	do	do	do
4865	do 23	26	Male	Married	do	do	do	5 yrs 3 mths	do	do	do	do	do
4875	July 10	16	Female	Single	do	6 months	do	5 yrs 2 mths	do	do	do	do	do
4882	do 27	28	do	do	do	6 years	do	5 yrs 2 mths	do	do	do	do	do
4927	Oct. 12	25	do	do	Ill health,	do	Unknown	4 yrs 1 mth	Discharged	Not improved	do	do	do
4936	do 25	50	do	do	Unknown	5 years	do	4 yrs 11 mths	Remains	Improved	do	do	do
4951	Nov. 23	30	do	do	Opium eating,	do	Unknown	4 yrs 2 mths	Discharged	Recovered	do	do	do
4959	Dec. 4	59	do	do	Puerperal,	weeks	do	4 yrs 9 mths	Remains	Improved	do	do	do

TABULAR VIEW—Continued.

No.	Time of Admissn.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.
										Hereditary.	Periodical.
1858	Mar.	49	Female	Single	Unknown,	2 months	Probate Court	2 yrs	7 mths Remains	Improved	Hereditary and Suicidal.
5530	do	17	26	do	do	1 year	Private Bond	2 yrs	6 mths do	do	Suicidal.
5538	do	17	45	do	Married	6 months	Probate Court	2 yrs	6 mths do	do	Pauper from Ireland.
5547	April	1	30	do	Single	1 year	Just. P. and Q.	2 yrs	5 mths do	do	
5553	do	10	30	do	Married	1 year	Probate Court	2 yrs	5 mths do	do	
5554	do	15	30	Male	Single	6 years	Unknown	2 yrs	5 mths do	do	
5560	do	10	24	Female	do	1 year	Private Bond	2 yrs	5 mths do	do	
5581	May	11	40	Male	Married	6 years	Munic'l Court	1 yr	11 mths Discharged	Recovered	
5584	do	12	40	do	do	6 years	Probate Court	2 yrs	5 mths Remains	Improved	
5585	do	13	18	do	Single	2 weeks	Munic'l Court	2 yrs	5 mths do	do	
5586	do	15	40	Female	Married	years	Probate Court	2 yrs	5 mths do	do	
5588	do	24	47	do	do	Unknown	Private Bond	2 yrs	4 mths do	do	
5593	do	26	35	Male	Single	4 months	Munic'l Court	1 yr	8 mths Remains	Recovered	
5595	do	3	52	Female	Married	8 years	Private Bond	2 yrs	4 mths Remains	Not improved	
5599	June	3	25	Male	Single	4 do	Overseers	2 yrs	4 mths do	Improved	
5602	do	9	51	Female	Married	years	do	2 yrs	4 mths do	do	
5604	do	9	31	do	do	5 days	Private Bond	1 yr	4 mths Discharged	do	
5615	do	21	31	Male	do	6 years	Overseers	1 yr	9 mths do	do	
5617	do	28	55	Female	Single	Unknown	do	2 yrs	3 mths Remains	do	
5619	do	28	40	Male	Married	1 year	Police Court	2 yrs	3 mths do	do	
5620	do	29	40	do	Single	1 week	Overseers	2 yrs	3 mths do	do	
5626	July	8	53	do	do	3 years	Just. P. and Q.	2 yrs	3 mths do	do	
5630	do	13	23	do	Unknown	do	Probate Court	2 yrs	2 mths do	do	
5633	do	19	63	Female	Single	20 do	do	2 yrs	2 mths do	do	
5636	do	21	50	do	do	Unknown	Police Court	2 yrs	2 mths do	do	
5639	Aug.	11	45	do	Married	1 week	Overseers	1 yr	2 mths Discharged	Recovered	
5655	do	13	35	Male	Single	do	Unknown	Just. P. and Q.	2 yrs	1 mth Remains	Not improved
5655	do	17	25	Female	do	2 years	Probate Court	2 yrs	1 mth do	do	
5662	do	25	74	do	Widow	1 year	do	2 yrs	1 mth do	Improved	
5663	do	27	58	Male	Married	1 week	do	1 yr	9 mths Discharged	Recovered	
5664	do	28	32	Female	do	2 weeks	Gov. Order	2 yrs	1 mth Remains	Not improved	
5667	do	30	51	do	Widow	2 years	do	1 yr	10 mths Discharged	Improved	
5669	do	30	45	do	Married	do	do	2 yrs	1 mth Remains	Not improved	
5670	do	30	39	do	Single	16 do	do	do	do	do	

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal.	Homicidal Periodical.
5768	Sept. 1858	20	44	Female	Married Unknown, do	10 years	Gov. Order	2 years	Remains	Improved	Pauper from Ireland.		
5765	do	20	30	Single	Epilepsy, do	10 years	Private Bond	2 years	do	Not improved	do		
5757	do	22	63	Widow	Unknown, do	16 do	do	1 yr	9 mths	Died			
5772	do	28	48	Male	Single Unknown, do	Unknown	Munic'l Court	2 years	Remains	Inanition	Pauper from Ireland.		
5779	Oct.	21	6	Unk.	Female Married	3 years	Private Bond	1 yr	11 mths	Remains	do		
5782	do	21	60	do	do	Unknown	Police Court	1 yr	11 mths	Trans.N.H.	do		
5783	do	21	Unk.	do	do	do	Probate Court	1 yr	11 mths	Remains	do		
5786	do	23	30	do	do	2 years	Munic'l Court	1 yr	11 mths	do	do		
5789	do	29	55	do	do	Unknown	Probate Court	1 yr	11 mths	do	do		
5790	do	30	25	Male	Single Married	3 years	Just. P. and Q.	1 yr	3 mths	Trans.N.H.	Not improved		
5792	Nov.	1	45	do	do	do	Probate Court	1 yr	11 mths	Remains	Improved		
5793	do	13	45	do	do	2 years	Private Bond	1 yr	10 mths	do	do		
5801	do	17	25	do	do	do	do	11 months	Discharged	do			
5803	do	19	50	do	do	Unknown	Probate Court	10 months	Died	Exhaustion			
5807	do	30	70	do	do	3 months	Overseers	1 yr	10 mths	Remains	Improved		
5810	Dec.	8	49	do	do	10 years	Probate Court	1 year	Discharged	Not improved			
5811	do	14	30	Female	Single Unknown, do	15 years	do	1 yr	9 mths	Remains	Improved		
5814	do	18	37	Male	do	3 months	Private Bond	1 yr	9 mths	do			
5816	do	27	23	do	do	1 year	Overseers	4 months	Discharged	Recovered			
5817	do	30	21	do	do	4 years	Probate Court	1 yr	9 mths	Remains	Recovered		
5819	do	30	23	Female	do	years	do	1 yr	9 mths	do	Not improved		
5820	do	31	30	do	do	3 months	do	1 yr	4 mths	Discharged	Recovered		
5822	Jan.	3	36	Male	Married Single Unknown, do	2 years	Private Bond	9 months	Died	Epilepsy			
5823	do	6	25	Female	do	6 months	Overseers	9 months	Discharged	Recovered			
5825	do	11	27	Male	do	Unknown	Just. P. and Q.	1 yr	9 mths	Remains	Improved		
5834	Feb.	4	35	Female	Married Over exertion,	2 weeks	Probate Court	7 months	Died				
5836	do	10	20	do	Masturbation, do	Unknown	do	1 yr	5 mths	Trans.N.H.	do		
5843	do	21	20	Male	do	do	Munic'l Court	1 yr	7 mths	Remains	Recovered		
5845	do	27	40	do	do	10 days	Probate Court	1 yr	7 mths	do	Recovered		
5846	do	28	23	Female	do	5 months	do	1 yr	7 mths	Remains	Improved		
5847	Mar.	3	35	do	do	do	Private Bond	1 yr	7 mths	do	do		
5850	do	14	38	Married	Unfortunate marriage,	6 weeks	Probate Court	1 yr	7 mths	do			

5852 Mar. 22	35	Female Single	Intemperance, Unknown,	•	3 weeks	Munic'l Court	1 yr	6 mths	Trans. N.H.	Improved
5854 do 23	Unk.	do	do	•	1 month	Probate Court	3 months	Discharged	Recovered	
5856 do 25	40	Male Unknown	do	•	2 years	do	1 yr	6 mths	Remains	Improved
5857 do 28	37	do	Single	•	20	do	1 yr	1 mth	Discharged	Recovered
5859 do 30	24	do	do	•	6 months	Probate Court	1 yr	6 mths	Remains	Improved
5862 Apr. 2	42	Female Married	do	•	5 years	do	1 yr	6 mths	do	do
5864 do 5	19	Male Single	do	•	2 do	Just. P. and Q.	1 year	Discharged	Recovered	
5865 do 6	52	do	Married	•	1 do	Probate Court	9 months	do	do	
5866 do 8	24	do	Single	•	6 do	Overseers	1 yr	6 mths	Remains	Improved
5869 do 9	20	do	do	•	7 do	Probate Court	7 months	Discharged	Recovered	
5871 do 13	21	Female	do	•	2 do	do	9 months	do	do	
5872 do 13	25	Male	do	•	1 do	Overseers	11 months	do	do	
5873 do 16	24	Female Married	do	•	7 do	Probate Court	1 yr	2 mths	do	
5874 do 18	24	Male Single	do	•	6 month	Overseers	11 months	do	do	
5875 do 18	58	Female Married	do	•	1 do	Probate Court	1 yr	6 mths	Remains	Improved
5878 do 18	26	do	Single	•	2 years	do	1 year	Discharged	Recovered	
5880 do 19	20	Male	do	•	1 do	Private Bond	1 yr	5 mths	Remains	do
5881 do 20	33	Female	Married	•	5 do	Probate Court	1 yr	5 mths	do	do
5882 do 22	30	Male	Single	•	8 do	Police Court	11 months	Discharged	Recovered	
5883 May 3	40	Female	Widow	•	1 month	Munic'l Court	1 yr	5 mths	Remains	Improved
5884 do 4	22	do	do	•	2 months	Probate Court	9 months	Discharged	Recovered	
5887 do 7	40	Male	Unknown	•	Unknown	Police Court	11 months	do	do	
5888 do 16	25	Female	Single	•	3 weeks	Just. P. and Q.	1 yr	5 mths	Remains	Improved
5892 do 21	Unk.	do	Married	•	1 year	Police Court	1 yr	4 mths	do	do
5894 do 23	30	do	Widow	•	3 weeks	Munic'l Court	11 months	Discharged	Recovered	
5897 do 27	50	Male	Single	•	30 years	Private Bond	10 months	do	do	
5898 do 28	17	do	do	•	3 months	Probate Court	1 yr	4 mths	Remains	Improved
5900 June 2	38	Female	do	•	10 years	do	4 months	Died	Exhaustion	
5902 do 3	59	Male	Married	•	10 months	Overseers	1 yr	4 mths	Remains	Not improved
5903 do 4	59	do	do	•	10 years	Private Bond	1 yr	4 mths	do	do
5904 do 8	30	Female	Single	•	2 weeks	do	5 months	Discharged	Recovered	
5906 do 10	45	do	Unknown	•	4 years	Police Court	11 months	Died	Palsy	
5907 do 10	64	Male	Married	•	5 do	Probate Court	1 yr	4 mths	Remains	Not improved
5908 do 10	24	Female	Single	•	2 do	do	1 yr	4 mths	do	Improved
5909 do 11	42	Male	do	•	2 do	do	1 yr	4 mths	do	do
5910 do 13	18	Female	do	•	8 months	Police Court	10 months	Discharged	Recovered	
5912 do 13	28	do	Widow	•	1 week	Probate Court	1 yr	4 mths	Remains	Improved
5913 do 17	29	Male	Single	•	4 years	do	1 yr	3 mths	do	do
5914 do 18	26	do	do	•	14 do	Epilepsy, Turn of life,	1 yr	3 mths	do	Not improved
5915 do 19	47	Female	Married	•	1 year	Private Bond	4 months	Discharged	Recovered	Homicidal.

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitt'd.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.
										Hereditary.	Periodical.
1859	1859 June 25	30	Male	Single	Unknown,	20 years	Oversight	1 yr	3 mths	Not improved	Homicidal.
	5919 do 29	35	Female	do	do	7 weeks	Police Court	4 months	Remains	Recovered	do
	5920 do 5	36	Male	Married	do	9 months	Probate Court	10 months	do	do	
	5921 July 5	65	do	do	do	6 weeks	do	4 months	do	do	
	5922 do 5	7	Female	Widow	Ill health,	3 months	do	1 yr	3 mths	Improved	
	5923 do 7	35	Male	do	Unknown,	years	Private Bond	10 months	do		
	5924 do 7	35	Female	do	do	3 weeks	Just. P. and Q.	do	do		
	5926 do 11	35	Male	Married	do	3 do	Oversight	6 months	do		
	5927 do 13	45	Female	do	Fear,	4 months	do	3 months	do		
	5930 do 17	18	do	Single	Injury of head,	2 weeks	Private Bond	3 months	do		
	5931 do 17	53	do	Widower	Unknown,	3 months	Probate Court	5 months	do		
	5932 do 19	34	Male	do	do	3 years	do	1 yr	2 mths	do	
	5933 do 19	27	do	Single	do	8 do	Oversight	6 months	do		
	5934 do 20	27	do	do	do	2 weeks	Just. P. and Q.	10 months	do		
	5935 do 20	28	do	do	Religious,	3 months	Probate Court	10 months	do		
	5936 do 21	24	Female	do	Love affair,	20 years	do	3 months	do		
	5938 do 26	48	do	Married	Unknown,	do	Oversight	9 months	do		
	5939 do 26	22	Male	Single	do	6 weeks	Probate Court	1 year	do		
	5940 do 27	38	do	Married	do	3 do	do	6 months	do		
	5942 do 27	15	Female	Single	Injury of head,	2 months	do	8 months	do		
	5943 do 28	30	Male	do	Epilepsy,	10 years	do	1 yr	2 mths	do	
	5944 Aug. 1	23	Female	do	do	24 do	do	2 months	do		
	5946 do 1	25	Male	do	Injury of head,	2 months	do	6 months	do		
	5947 do 2	57	Female	Married	Unknown,	1 week	do	1 yr	2 mths	do	
	5948 do 5	45	do	Widow	do	1 year	Police Court	do	do		
	5949 do 10	25	Male	Single	Religious,	2 weeks	do	6 months	do		
	5950 do 12	35	Male	do	Pecuniary,	3 years	Probate Court	1 yr	2 mths	do	
	5951 do 12	13	do	do	Epilepsy,	1 year	do	1 yr	2 mths	do	
	5952 do 13	28	do	Married	Unknown,	5 weeks	do	1 year	do		
	5953 do 13	35	Female	do	Jealousy,	weeks	do	3 months	do		
	5954 do 15	29	Male	do	Intemperance,	3 months	do	1 yr	2 mths	do	
	5956 do 17	40	Female	Single	Unknown,	8 years	Private Bond	13 months	do		
	5957 do 18	61	do	do	Masturbation,	5 weeks	Probate Court	11 months	do		
	5958 do 23	26	Male	do	do	do	Superior Court	2 months	do		

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.
											Hereditary.	Periodical.
	1859											
6001	Nov. 21	52	Female	Widow	Care and anxiety,	3 months	Probate Court	2 months	Died	N.H.	Improved	
6002	do 24	30	Male	Unknown	Unknown, .	Unknown	Just. P. and Q.	2½ months	Trans. N.H.	Improved	do	
6003	do 29	59	do	Married	Fits, .	3 years	Probate Court	10 months	Remains	do	do	
6004	Dec. 3	35	Female	do	Unknown, .	1 month	do	10 months	do	do	do	
6005	do 6	30	do	Single	do	6 months	do	10 months	do	do	do	
6006	do 6	6	do	Widow	Death of husband,	3 do	do	5½ months	Recovered	Recovered	do	
6007	do 8	29	do	Single	Fever, .	10 years	do	10 months	Remains	Not improved	do	
6008	do 8	47	Male	Married	Congenital, .	40 do	do	6½ months	Recovered	Recovered	do	
6009	do 9	46	Female	do	Domestic trouble,	4 do	Private Bond	6 months	Recovered	Recovered	do	
6010	do 9	45	Male	Widower	Intemperance, .	1 week	Probate Court	4 months	do	do	do	
6011	do 12	28	do	Single	Epilepsy, .	6 years	do	10 months	Remains	Not improved	do	
6012	do 16	31	do	do	Intemperance, .	Few days	do	8 days	Died	Manil. Ex'n	do	
6013	do 23	32	Female	Married	Unknown, .	6 weeks	Just. P. and Q.	8½ months	Trans. N.H.	Improved	do	
6014	do 26	42	Male	do	Sun stroke, .	7 years	Probate Court	2 months	do	do	do	
6015	do 27	32	Female	do	Intemperance, .	8 days	do	6½ months	Recovered	Recovered	do	
6016	do 31	40	Male	Single	do	Unknown	Sup. Court	3 months	do	do	do	
6017	Jan. 2	21	do	do	Masturbation, .	3 weeks	Probate Court	9 months	Remains	Improved	do	
6018	do 4	27	do	do	Hard study, .	2 years	Private Bond	9 months	do	do	do	
6019	do 7	20	do	do	Unknown, .	Unknown	do	4 months	Discharged	Recovered	do	
6020	do 13	45	Female	do	do	do	Probate Court	9 months	Remains	Not improved	do	
6021	do 14	50	do	Widow	Death of husband, .	1 year	do	4 months	Discharged	Recovered	do	
6022	do 20	36	Male	Single	Loss of property, .	3 years	do	8 months	Remains	Not improved	do	
6023	do 20	38	do	Married	Fever, .	1 year	Private Bond	8 months	do	do	do	
6024	do 20	40	Female	Single	Unknown, .	15 years	do	8 months	do	do	do	
6025	do 21	23	Male	Married	do	3 months	Probate Court	8 months	do	do	do	
6026	do 21	30	do	Single	Fever, .	6 do	Police Court	7 months	Discharged	Recovered	do	
6027	do 24	40	Female	Married	Ill health, .	2 years	Private Bond	6 months	do	do	do	
6028	do 24	35	do	Single	Unknown, .	years	Probate Court	7 months	do	do	do	
6029	do 25	25	Female	do	Epilepsy, .	2 do	Just. P. and Q.	7 months	Trans. N.H.	Not improved	do	
6030	do 30	60	Male	Married	Unknown, .	years	Private Bond	8 months	Remains	Improved	do	
6031	Feb. 1	15	do	Single	Epilepsy, .	3 do	Probate Court	8 months	do	do	do	
6032	do 32	Female	Married	Child birth, .	do	10 weeks	do	1½ months	Died	Pathosis		

TABULAR VIEW—Continued.

No.	Time of Admissn.	Age when admitt-ed.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	In what state.	Discharged or Remaining.	Suicidal.	Hereditary.	Homicidal.
6073	April 9	30	Male	Married	Jealousy,	2 months	Probate Court	6 months	Remains	Improved	Hereditary.	
6074	do 10	25	Female	do	Measles,	1 year	do	6 months	do	Not improved		
6075	do 10	30	Male	Single	Unknown,	3 months	Sup. Court	5½ months	Discharged	Improved		
6076	do 11	41	Female	Married	Jealousy,	6 weeks	Private Bond	6 months	Remains	do		
6077	do 11	28	do	Single	Brain fever,	8 years	Probate Court	6 months	do	Not improved		
6078	do 13	23	do	Married	Unknown,	4 days	Just. P. and Q.	29 days	Discharged	Recovered		
6079	do 17	35	Male	Single	Injury of head,	1 year	Probate Court	5 months	Remains	Improved		
6080	do 23	32	do	Married	Unknown,	4 weeks	do	5 months	do	Recovered		
6081	do 23	53	do	do	do	1 week	Police Court	5 months	do	Not improved		
6082	do 23	26	do	Single	Rheumatic fever,	7 weeks	Probate Court	5 months	do	Recovered		
6083	do 24	23	do	do	Unknown,	9 months	Just. P. and Q.	5 months	do	Recovered		
6084	do 26	17	Female	do	Masturbation,	2 months	Private Bond	3½ months	do	Not improved		
6085	do 26	44	do	do	Religious,	Unknown	Police Court	6 months	do	Recovered		
6086	do 27	40	do	Married	Peccenary,	7 weeks	Probate Court	2 months	do	Not improved		
6087	do 30	52	do	Widow	Turn of life,	8 do	do	5 months	do	Recovered		
6088	May 2	35	Male	Single	Illegitimate child,	1 year	do	5 months	do	Not improved		
6089	do 3	40	do	do	Unknown,	10 years	do	5 months	do	Recovered		
6090	do 3	23	do	Married	do	2 months	do	5 months	do	Not improved		
6091	do 5	26	Female	Single	do	Unknown	do	5 months	do	Recovered		
6092	do 8	28	do	Married	Over excitement,	5 years	do	23 days	do	Not improved		
6093	do 9	35	do	do	Unknown,	do	Police Court	5 months	do	Recovered		
6094	do 10	30	do	do	do	do	Probate Court	5 months	do	Not improved		
6095	do 11	28	Male	do	do	do	do	5 months	do	Recovered		
6096	do 11	36	do	do	Drugged liquors,	4 weeks	do	5 months	do	Recovered		
6097	do 12	49	Female	do	Unknown,	years	Private Bond	5 months	do	Recovered		
6098	do 14	35	Male	do	Epilepsy,	6 weeks	Overseers	5 months	do	Recovered		
6099	do 15	26	Female	Single	Unknown,	2 do	Probate Court	5 months	do	Recovered		
6100	do 15	17	Male	do	do	2 years	Private Bond	25 days	do	Recovered		
6101	do 18	40	do	do	do	3 do	Overseers	10 days	do	Recovered		
6102	do 19	50	do	do	do	2 weeks	do	do	do	Recovered		
6103	do 23	37	Female	do	do	6 months	Just. P. and Q.	1½ months	Remains	Improved		
6104	do 24	30	Male	Single	do	6 do	Private Bond	4 months	do	Improved		
6105	do 24	48	Female	Married	Domestic trouble,	6 do	Overseers	4 months	do	do	do	

6106 May 25	Male do	Single Married	Unknown, Sickness,	.	.	6 weeks	Probate Court	4 months	Remains	Improved	Recovered	Discharged	2 months	27 days					
6107 do	do	do	Intemperance,	.	.	do	Private Bond	1 year	do	Not improved	Hereditary.	do	do						
6108 do	26	29	Turn of life,	.	.	do	Probate Court	7 months	Remains	Improved	Recovered	do	do						
6109 do	26	27	Injury of head,	.	.	do	Private Bond	3 years	do	Not improved	Suicidal.	do	do						
6110 do	30	50	Paralysis,	.	.	do	Probate Court	4 months	Remains	do	do	do	do						
6111 June 2	do	59	Business disappoin't,	.	.	do	do	4 months	do	do	do	do	do						
6112 do	4	28	Fright,	.	.	do	do	2 months	do	do	do	do	do						
6113 do	6	30	Unknown,	.	.	do	do	2 years	do	do	do	do	do						
6114 do	7	30	do	.	.	do	do	1 week	do	do	do	do	do						
6115 do	8	27	Male	Single	.	do	do	2 weeks	do	do	do	do	do						
6116 do	9	45	Female	Married	.	do	do	10 do	do	do	do	do	do						
6117 do	9	32	do	do	do	do	do	1 week	do	do	do	do	do						
6118 do	9	32	Male	do	do	do	do	10 months	do	do	do	do	do						
6119 do	11	28	do	do	do	do	do	1 year	do	do	do	do	do						
6120 do	12	39	Female	Married	.	do	do	6 weeks	do	do	do	do	do						
6121 do	12	25	Male	Single	.	do	do	19 years	Private Bond	4 months	Remains	do	do						
6122 do	13	51	do	do	do	do	do	1 year	Probate Court	1½ months	do	do	do						
6123 do	14	26	Female	do	do	do	do	6 months	Sup. Court	3 months	Remains	do	do						
6124 do	18	21	Male	do	do	do	do	1 month	do	do	do	do	do						
6125 do	20	48	do	do	do	do	do	6 weeks	Probate Court	3 months	Remains	do	do						
6126 do	20	50	Female	Widow	.	do	do	3 months	do	do	do	do	do						
6127 do	21	56	Male	Married	.	do	do	6 do	do	do	do	do	do						
6128 do	25	63	Female	Widow	Ill health and old age,	.	do	2 weeks	do	do	do	do	do						
6129 do	27	23	do	do	do	do	do	2 months	do	do	do	do	do						
6130 do	27	26	Male	do	do	do	do	4 days	Overses	2 months	do	do	do						
6131 do	28	35	do	do	do	do	do	Unknown	Sup. Court	3 months	Remains	do	do						
6132 do	28	34	Female	Widow	do	do	do	2 years	Probate Court	3 months	do	do	do						
6133 do	28	20	do	do	do	do	do	1 week	do	do	do	do	do						
6134 do	30	43	Male	Married	Injury of head,	.	do	Unknown	Sup. Court	1½ months	do	do	do						
6135 July 3	35	do	do	do	do	do	do	do	Probate Court	10 days	do	do	do						
6136 do	3	35	Female	Married	Irregular menses,	.	do	3 years	do	do	do	do	do						
6137 do	7	46	do	do	do	do	do	10 days	do	do	do	do	do						
6138 do	10	17	do	do	do	do	do	6 weeks	Private Bond	3 months	do	do	do						
6139 do	11	31	do	do	do	do	do	3 years	Probate Court	3 months	do	do	do						
6140 do	14	45	do	do	do	do	do	2 weeks	do	do	do	do	do						
6141 do	14	22	do	do	do	do	do	2 months	do	do	do	do	do						
6142 do	18	16	do	do	do	do	do	2 years	Private Bond	2 months	do	do	do						
6143 do	20	65	do	do	do	do	do	2 years	Overses	27 days	do	do	do						
6144 do	20	18	Male	Single	Masturbation,	.	do	2 months	Probate Court	2 months	Remains	do	do						
6145 do	21	Unk.	do	do	do	do	do	Unknown	Probate Court	2 months	do	do	do						

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Hereditary.	Homicidal.
	1860											
6146	July 21	22	Male	Single	Masturbation, Unknown,	1 year	Private Bond Probate Court	2 months	Remains	Not improved		
6147	do 23	Unk.	Female	do	Unknown, do	do	do	2 months	do	do		
6148	do 24	do	Male	Married	Old age, Masturbation,	4 months	do	2 months	do	Improved		
6149	do 26	87	do	Single	Intemperance, Unknown,	5 do	Private Bond Probate Court	2 months	do	Not improved		
6150	do 30	30	Married	Married	Religious, Unknown,	4 days	do	16 days	Discharged	Recovered		
6151	do 30	30	do	Single	Unknown, do	Unknown	Sup. Court Probate Court	2 months	Remains	Not improved		
6152	do 30	40	Female	do	do	1 month	do	do	do	Improved		
6153	Aug. 3	20	do	Single	do	Unknown	do	2 months	do	do		
6154	do 3	18	do	do	do	2 years	Sup. Court Probate Court	2 months	do	Not improved		
6155	do 3	47	Male	Married	do	do	do	do	do	do		
6156	do 3	37	do	Single	do	2 months	Sup. Court Probate Court	2 months	do	do		
6157	do 4	47	Female	do	do	6 weeks	do	do	do	do		
6158	do 4	35	do	Widow	do	3 months	do	do	do	do		
6159	do 6	45	Male	Married	Intemperance, Ill health,	Unknown	do	do	do	do		
6160	do 9	18	Female	Single	Ill health, Homœstic,	2 weeks	do	do	do	do		
6161	do 9	34	Male	Married	Unknown, do	1 week	do	do	do	do		
6162	do 9	35	Female	do	do	do	do	do	do	do		
6163	do 14	21	Male	Single	Masturbation, Ill health,	6 months	do	do	do	do		
6164	do 14	23	Female	Married	Unknown, do	6 weeks	do	do	do	do		
6165	do 17	39	do	do	do	3 years	do	do	do	do		
6166	do 17	60	Male	Single	Unknown, do	6 weeks	do	do	do	do		
6167	do 21	30	Female	Married	Childbirth, Unknown, do	8 years	do	1 month	do	Recovered		
6168	do 21	30	do	do	do	2 weeks	do	do	do	do		
6169	do 24	22	do	do	do	3 years	do	21 days	do	do		
6170	do 28	41	do	do	do	4 months	do	do	do	do		
6171	do 29	23	do	do	do	1 week	do	do	do	do		
6172	do 30	17	Male	Single	Sickness, Epilepsy, Unknown,	18 months	Probate Court	1 month	do	Not improved		
6173	do 30	25	do	do	do	do	do	do	do	Recovered		
6174	do 30	39	do	Married	Old age, Unknown, do	do	Probate Court	15 days	do	Not improved		
6175	Sept. 3	84	do	do	do	do	do	do	do	do		
6176	do 7	49	Female	do	do	17 years	do	do	do	do		
6177	do 8	35	do	do	do	1 week	do	do	do	Recovered		
6178	do 8	30	do	do	do	1 year	do	1 month	do	Not improved		

38	Male	Single	Ill treatment at sea,	2 months	Probate Court	22 days	Remains	Not improved
3179 Sept.	Female	Widow	Unknown, .	.20 years	do	20 days	do	Improved
8	Male	Single	Masturbation, .	.4 do	do	20 days	do	Not improved
61180 do	Male	Single	Opium, eating, .	.3 months	do	19 days	do	Improved
10	Male	do	Unknown, .	.10 do	Overseers	19 days	do	Not improved
61181 do	Female	do	Unknown, .	.8 do	Probate Court	18 days	do	do
10	Female	do	Epilepsy, .	.do	do	12 days	do	do
61182 do	do	do	Unknown, .	.2 weeks	Private Bond	12 days	do	do
11	do	do	Hard work & exposure, .	.7 months	Probate Court	12 days	do	do
23	do	do	Seroful, .	.do	Sup. Court	11 days	do	do
21	do	do	Intemperance, .	.2 weeks	Probate Court	8 days	do	do
21	do	do	Unknown, .	.7 years	do	8 days	do	do
21	do	do	do	.1 week	do	8 days	do	do
21	do	do	do	.1 month	do	2 days	do	do
21	Female	do	Intemperance, .	.do	do	do	do	do
22	do	do	do	.do	do	do	do	do
22	do	do	do	.do	do	do	do	do
28	Male	do	do	.do	do	do	do	do
46	do	do	do	.do	do	do	do	do
46	do	do	do	.do	do	do	do	do
46	do	do	do	.do	do	do	do	do

In conducting the affairs of the Hospital during the year, every effort has been made to provide labor for such of the patients as could be induced to engage in it. By an accurate account kept of every day's labor performed by the inmates of the hospital it has been found that five thousand seven hundred and thirty-two days' work have been done by males, and nine thousand five hundred and fifty-two by females. These are full day's work performed by the patients in the various departments of labor connected with the establishment. Beside this, there is a great amount of light labor performed by patients in and about the wards, dormitories, and dining-rooms, which cannot be taken into the account, because it is engaged in only at short intervals. Many of the females make and repair their own clothing, and also a part of the clothing worn by their children at home.

In this connection it may be proper to add, that by some alterations now going on in the buildings of the hospital, we hope soon to open three large, light and cheerful rooms, as work rooms for females, and by changing the occupation of a detached building, to fit up for the males, in addition to our present carpenter's and joiner's shop two large and convenient rooms, in which the various kinds of labor suited to the capacity of the patients may be performed.

There will of course be difficulty in procuring labor to any very great extent in a hospital for the insane. Every facility, however, should be afforded, every advantage taken of any desire to engage in active employment, and every inducement offered to enlist a hearty co-operation on the part of the insane.

But all labor should be made cheerful and pleasant. The overburdened and weakened should not be taxed by long-continued attention. Neither should an individual be compelled to work on the farm who can find no amusement or comfort even, except in some mechanical pursuit. Every kind of work should be so divided that it may be easily and well done : and every task should be so allotted that it may gratify the tastes of every individual.

Thus all might be employed, and all governed by one common impulse of activity and enjoyment. Thus might be seen in operation every trade, and every species of labor. There might also be every grade of employment ; reading, music, embroidery ; displays of taste and skill in ornamental productions ; walking,

riding and driving ; all the games which ingenuity could devise and every kind of pastime which an eager desire for the welfare of the insane could dictate ; the varied pursuits of horticulture and agriculture, the unceasing sound of domestic labors,—every department filled with busy workers, without compulsion, and without remuneration other than that of escaping the pains of idleness and disease.

The following tables show some of the results of labor performed by patients.

Articles made in the sewing-room in the course of the year :

Bed Spreads,	134	Frocks,	34
Bed Ticks,	225	Trousers, pairs of,	98
Sheets,	489	Overalls, pairs of,	51
Pillow Cases,	419	Vests,	47
Pillows,	41	Hose, pairs of,	53
Shirts,	334	Mittens, pairs of,	63
Chemises,	351	Knit Edging, yards of, . .	340
Drawers, pairs of,	54	Carpets,	4
Night Dresses,	34	Table Covers,	17
Night Caps,	16	Window Curtains,	105
Skirts,	235	Napkins,	72
Skirts embroidered,	13	Towels,	378
Dresses,	217	Coats,	27
Comforters,	18	Jackets,	14
Valances,	19	Aprons,	27

Articles repaired in the sewing-room, in the course of the year :

Shirts,	1,792	Skirts,	137
Trousers,	1,704	Hose, pairs of,	712
Coats,	312	Dresses,	1,631
Vests,	428	Chemises,	1,720
Bed Ticks,	492	Overalls,	33
Bed Spreads,	308	Jackets,	17
Sheets,	713	Frocks,	19

Products of the Farm.

Apples,	100 barrels,	at \$1 50—	\$150 00
Pears,	30 bushels, at	2 00	60 00
Cherries,	20 "	at 2 00	40 00
Grapes,	4 "	at 3 00	12 00
Tomatoes,	100 "	at 75	75 00
Sweet Corn,	50 "	at 1 00	50 00
Beans,	50 "	at 2 00	100 00
Peas,	40 "	at 2 00	80 00
Parsnips,	150 "	at 50	75 00
Turnips,	500 "	at 20	100 00
Potatoes,	700 "	at 50	350 00
Beets,	600 "	at 20	120 00
Carrots,	1,150 "	at 20	230 00
Cabbages,	300 heads,	at 06	18 00
Squashes,	8 tons,	at 30 00	240 00
Peppers,	20 bushels, at	20	4 00
Cucumbers,	40 "	at 20	8 00
Rhubarb,	2,500 pounds, at	02	50 00
Hay,	80 tons, at	15 00	1,200 00
Rowen,	10 "	at 15 00	150 00
Corn Fodder,	30 "	at 4 00	120 00
Milk,	40,000 quarts, at	04	1,600 00
Beef,	8,000 pounds, at	08	640 00
Pork,	7,500 "	at 10	750 00
			<hr/> \$6,072 00

Amusement is closely allied to labor, and forms an important, and by no means an easy part of the general care and treatment of the insane. Especially is this the case in a hospital open to all classes of society, and admitting patients afflicted with every grade of mental disease. Nearly all the males can take part in, and enjoy out-of-door games and gymnastic exercises. But the mental difference produced by education, social position, habits of life, and by the grade and severity of disease, form the patients in every hospital for the insane into widely separated and strongly marked classes, each following its own peculiar inclinations, and becoming interested, only in its

appropriate objects. To many, an allowance of tobacco will impart the highest enjoyment and procure unremitting labor. Others will be sufficiently gratified by a book, a picture, an occasional game and the family newspaper. While to those of more highly cultivated minds, lectures, recitations, readings, concerts, tableaux vivants, excursions to remarkable places, the pursuit of some department of natural history will afford the greatest amount of recreation, and best relieve the monotony of a long-continued residence in a hospital. In the arrangement and management of amusements, great care should be taken that excitement does not result therefrom. The mind when recovering from disease should be kept in a calm and cheerful state, free from every cause of dissipation and excitement.

It may not be out of place to say a word in relation to the food and appetite of the insane. The powers of life must be supported mainly through the stomach. Hence it is necessary to bestow some thought upon diet. Constitutional vigor is generally much impaired among the insane. They require the sustaining influence of food, in quantity and quality generous and highly nutritious; not only is a liberal supply of animal food requisite, but stimulating drinks must sometimes form a part of ordinary diet. The appetite rendered feeble and capricious by weakness, must be recovered by food that imparts strength. When solid food cannot be taken liquid food may be made sufficiently nourishing. Milk, when it can be borne, cream, broth, soup, beef-tea, may all be brought into use. Some require frequent support of sustenance, and others bear longer intervals. But in all cases the enfeebled powers of life must be strengthened by a liberal supply of highly nutritious food. Much may be accomplished by making every thing about the dining-rooms and tables as attractive as possible, by disposing of the viands in such a manner as to provoke an appetite, by engaging in a lively conversation, and by spending as much time at the table as can be spared from other duties. In this manner patients will often be diverted from their insane fancies, and be betrayed into taking a generous meal.

Our accounts show that much attention has been paid to the clothing of the patients. The insane suffer much from feebleness of circulation and consequent coldness of the extremities.

On this account it is desirable that the clothing should be always of thick and warm material. It should likewise be perfectly neat and tidy. Indifferently clad patients very soon lose their ideas of propriety, and that self-respect, without which they can rarely recover. The supply of clothing should be so abundant that frequent changes of all the apparel worn by each individual, may be made without hesitation or difficulty.

The air respired by the insane should be perfectly pure, and moderately warmed, never oppressively hot, nor below sixty-five or sixty-eight degrees, Fahrenheit. The insane are rarely satisfied with a temperature below seventy degrees Fahrenheit, unless they are accustomed to much out-of-door exercise, and even then considerable fault will be found with the thermometer indicating a temperature of sixty-five degrees Fahrenheit.

Personal cleanliness demands strict attention, both as a means of preserving physical health, and as an important moral agency. Exhalations from the bodies of the insane are often strongly marked, and a large class of patients are liable to become careless and filthy in their habits. In addition to the regular use of the tepid bath for purposes of cleanliness, it is necessary to exercise great care, in order to insure a proper observance by the patient of this great essential of health and comfort.

Among the many physical causes of mental disease, perhaps none is more frequent and certainly none oftener overlooked than a disordered state of the stomach and bowels. It is that condition of the alimentary canal which gives rise to constipation, sometimes alternating with diarrhoea, and accompanied with indigestion, flatulence and eructations, anorexia and nausea, transient pains in the hypochondria, livid and yellow suffusions of the skin, viscid secretions of the mouth and extremely offensive breath. This condition of the alimentary canal which so often lays the foundation for mental disorders is the result of a great variety of causes. Perhaps the most frequent is excess in the use of indigestible food. Too great indulgence of the appetite on the one hand, scanty and unwholesome diet on the other, produce nearly the same train of symptoms, and

indicate a very common condition in those cases in which brute orders of the mind follow affections of the stomach and bowels.

The relation in which complaints of the alimentary canal stand to the disease of the brain may sometimes be doubtful; in some it is the relation of cause, in others it may be that of effect. But even then there is a reaction of the secondary upon the primary disease, and the original is aggravated by the complication.

All must understand how readily the brain is influenced by every condition of the alimentary canal. That general uneasiness and dissatisfaction which troubles so many persons so often; that state of the mind in which nothing in the affairs of life gives pleasure, or hope; that quality of the affections which rejects all the attentions of friendship, all the kind offices of love,—is frequently nothing more than the result of sympathy between the brain and a constipated state of the bowels. It is humiliating to admit that cheerfulness, good humor, and large anticipations of future welfare, may be wholly destroyed by a fit of indigestion: that the strength of the memory may be diminished, the imagination blunted, the power of concentration impaired, by a neglected state of the alimentary canal.

No class of patients suffer more seriously than those who are afflicted with this general disorder of the digestive organs. The deranged state of the thinking faculties, the sense of weariness and oppression, at first slight and irregular, and hardly noticed, becomes daily more severe and oppressive, until the power of self-control is lost, and by the influence of disease, or it may be by accident, some one sensation or emotion becomes exalted, and the judgment impaired; a general and constant irritability of the mind succeeds, which disturbs and deranges all the mental operations. It is hardly to be supposed that any one cause of insanity is more common than this neglected condition of the stomach and bowels. Its effects are so slight and irregular at first as not to arrest the attention of the patient, and thus known to the physician only in the advanced stages of the disorder when the prospect of recovery has become slight, and palliative treatment only can be attempted.

Our tables show that in more than twenty per cent. of all the admissions to the hospital, insanity was produced by some one or more of the depressing emotions.

On this, and anxiety, grief, distrust, domestic affliction, poverty, always reverses of fortune, are by far the most prominent moral causes of insanity. They produce disease by a slow and constant operation, and in an advanced state of civilization are continual in their influence.

In high states of civilization, when the relations of men are intimate and their interests suffer by contact; when their nervous susceptibilities have become unduly exalted, and their minds rendered irritable, the influence of the passions in the production of mental disease can hardly be overestimated. But it should be borne in mind that, not only do the passions and emotions exercise a great influence upon the health of the physical organs, but that the condition of the physical organs controls in an equal degree the operations of the mental faculties. The mind and body of necessity participate in the health and disease of each other, and the particular condition of the one may to a certain extent, be determined by that of the other. Thus indigestion may be the cause or the result of an irritable, unhappy disposition of mind. And asperity of temper may be the occasion or the consequence of an acid state of the stomach.

Thus we can very easily see how real to the sufferers are many of the miseries of the poor victims to nervous disease and insanity. While surrounded by all the blessings of existence which men so covet, they are more really miserable than the most homeless, friendless beings that beg a scanty subsistence from door to door.

Some unhealthy condition of their nervous systems, without producing any well-marked bodily symptoms, may so control all the operations of the mental faculties, as to diminish every capacity for enjoyment, paralyze every susceptibility of pleasure, and completely overwhelm the mind in fear, suspicion, and gloom.

Mental health has a much closer relation to physical infirmity than we are willing to admit, and the extent, also, to which human happiness depends upon the integrity of the physical organs and the perfection of their functions, we cannot compute.

How important, then, in a hygienic point of view, are the advantages of a judicious system of physical education, not

merely that development of muscle and perfection of brute force, so much sought in gymnasiums, but a special and constant attention to physical development by free exercise in the open air. Wherever pure air and free, joyous exercise are withheld from any individual, the consequences are evil. The want of pure air and wholesome exercise degrades the vital energies in the same manner as does meagre or scanty food, by destroying the balance between the functions of supply and demand which, in a healthy condition, preserves every organ in a state adequate to the perfect performance of its offices. The muscles grow paler and weaker, and the ability to perform labor is diminished. The brain, by the impoverished condition of blood, undergoes the same process of change, and the capacity of self-management is impaired. In conducting the ordinary affairs of life, an individual so situated must make extraordinary efforts, which the enfeebled state of his brain will poorly enable him to do. After struggling for awhile, his strength is overcome, his courage gives out, his self-respect fails, his mental operations become clouded, and his power of self-control is lost.

Every condition and circumstance in life which has a tendency to diminish vital force, degrades the standard of general health, and thus in a peculiar and certain manner promotes the development of insanity, by producing that unhappy condition of the mental faculties which does not understand the true nature and relation of things, and cannot, in the management of common worldly affairs, rightly use proper means for the accomplishment of desired purposes. Individuals suffering from this latent form of disease, are compelled to make extraordinary efforts at self-management, and if not able to persevere with an uncommon exaltation of will, at length become loose and wayward in their habits of thought and action, and unable to grasp complicated designs, hence in the affairs of the world, though they struggle manfully for a time, too often falter and fail. Their minds, more irregular and more easily disturbed than at first, now become a ready prey to the ravages of disease.

About a year ago you directed such improvements and repairs as made it necessary to remove the old chapel and

office, and rebuild in their place a new wing one hundred and twenty feet long, thirty feet wide, and three stories high. This building is now nearly completed and is occupied in all its parts. The basement contains sufficient store-room, refrigerator and wash-room. In the first story above the basement are situated the kitchen, domestics' dining-room, bakery and ironing-room, with all necessary store-rooms and closets. In the west end of the second and third stories, and contiguous to the old centre building is the chapel and lecture-room. And in the east end are work rooms for patients and sleeping rooms for domestics. The kitchen is furnished with the most approved apparatus for working by steam, which has been found satisfactory in every particular. A railroad extending from the basement of the new wing under the entire length of the old building affords a ready means of access to the patients' dining-rooms in all parts of the hospital.

The means employed for warming and ventilating the various parts of the institution continue to give satisfactory results. No important alteration or repairs have yet been necessary. The following table shows the exact amount of coal consumed from October 1, 1859, to October 1, 1860:—

		Amount for each month.	Daily average.
		lbs.	lbs.
October, 1859,	.	68,000	2,193
November, "	.	111,000	3,700
December, "	.	154,300	4,977
January, 1860,	.	169,000	5,451
February, "	.	170,000	5,862
March,	"	184,300	4,332
April,	"	76,500	2,550
May,	"	42,250	1,363
June,	"	30,200	1,006
July,	"	26,000	835
August,	"	22,750	734
September, "	.	23,750	792
Total,	.	1,028,050*	—

*Or, 514½ tons.

The usual amount of labor upon the farm, aside from sowing seed and gathering in of the crops, has been performed. Worn out lands have been reclaimed, rocks have been removed, walls

made, ditches dug, cisterns built, water pipes repaired and under-drains laid, thus at all times furnishing employment to a large number of male patients. Fruit trees and forest trees have been transplanted and hedges started with a view to improve the estate and beautify the pleasure grounds connected with the buildings.

In behalf of the patients I desire to tender my grateful acknowledgments to the many kind friends who have assisted us during the year in our lectures and concerts and other entertainments designed to amuse and instruct those placed under our care.

I desire also to express my sense of obligation to those who have so generously made donations of books, maps and pictures, thus contributing much to the welfare of the inmates.

We are under renewed obligations to the publishers of newspapers in various parts of the Commonwealth for their daily and weekly issues, and to those in this city also for large and well-selected bundles of exchanges, giving us a liberal supply of newspapers from all parts of the country.

It is my duty to record my personal obligations to my assistants Drs. Rice and Prentiss for their untiring devotion to the interests of the hospital and the cheerfulness in which they have assisted me in all my duties.

The employees of the institution almost without exception, have faithfully and earnestly carried out all my plans and devoted their whole time and strength to the welfare of the patients.

In looking back over the events of the year, we acknowledge with deep gratitude the blessing which has attended all our efforts to promote the welfare of those placed under our care.

And with renewed confidence that He who upholds and sustains all, will impart to us strength for future labor, we cheerfully commence the duties of another year, hoping and trusting that by His direction we may perform them faithfully and well.

MERRICK BEMIS.

STATE LUNATIC HOSPITAL, WORCESTER, }
October 1, 1860. }

AN INVENTORY

Of Amounts in value of the Stock and Supplies on hand at the State Lunatic Hospital.

Live stock on the farm,	\$3,380 00
Produce of the farm on hand,	2,260 00
Carriages and agricultural implements,	875 00
Machinery and mechanical fixtures,	5,500 00
Beds and bedding in the inmates' department,	3,850 00
Other furniture in the inmates' department,	3,225 00
Superintendent's department,	350 00
Housekeeping department,	1,000 00
Ready-made clothing,	150 00
Dry goods,	350 00
Provisions and groceries,	1,575 00
Drugs and medicines,	150 00
Fuel,	2,200 00
Library,	300 00

TERMS AND FORMS OF ADMISSION, &c.

ADMISSION OF PATIENTS.

Inquiries are often made by letter and otherwise in reference to the course to be pursued in order to obtain admission for the insane to the hospital, and what are the expenses of support, &c.

When patients are committed to the hospital by order of any court, the county in which that court is held pays the expense of carrying the patient to the hospital.

To entitle insane persons to the care of the hospital it is necessary that they be committed by order of the court of probate and insolvency, or by any other court having jurisdiction in the town or county in which the insane person resides, or by two justices of the peace, one of which shall be a justice of the quorum.

Patients may also be committed by the friends if satisfactory bonds are given for their support while in the hospital.

Overseers of the poor may also commit the insane poor of the town in which they have jurisdiction by giving bonds in behalf of the town for the support of the patient while in the hospital.

When it is desirable that an insane person should be committed by the court of probate and insolvency, any one interested may make petition to the judge of probate and insolvency for the removal of the lunatic to the hospital.

An acknowledgment of notice of the petition from one of the selectmen of the town in which the lunatic resides must also be presented with the petition.

P E T I T I O N .

Commonwealth of Massachusetts.

To the Honorable , Judge of Probate and Insolvency, for the county of
Respectfully represents , of ,
in the county of , that of ,
in the county of , is a lunatic, and so furiously mad as
to render it dangerous to the peace and safety of the community that
he should be at large.

Wherefore, your petitioner prays, that the said , may be committed to the State Lunatic Hospital at Worcester.

Dated at , this day of
A. D. 18 .

A C K N O W L E D G M E N T O F N O T I C E .

, A. D. 18 .—The subscriber, one of the Selectmen of the town of , aforesaid, hereby acknowledges due notice of the foregoing petition.

F O R M O F P R I V A T E B O N D .

State Lunatic Hospital at Worcester.

Whereas , of , in the county of , has been admitted a boarder in the State Lunatic Hospital at Worcester, we in the county of , as Principal and of , in the county of , as Surety, do hereby jointly and severally promise , Treasurer of said hospital, to pay him or his successor in said office, the sum of dollars and cents per week for the board of said , so long as he shall continue a boarder in said hospital, with such extra charges as may be occasioned by requiring more than ordinary care and attention; to provide for suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for by the Steward of the hospital, and to remove from said hospital whenever the room occupied by shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital. Also to pay, not exceeding fifty dollars, for all

damages he may do to the furniture and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly and at the time of removal, with interest on each bill from and after the time it becomes due.

FORM OF OVERSEERS' BOND.

State Lunatic Hospital at Worcester.

Whereas of , in the county of , has been admitted a boarder in the State Lunatic Hospital at Worcester, we , a majority of the Overseers of the Poor of the town of , in the county of , in behalf of the inhabitants of said town, do hereby promise

so long as he shall continue a boarder in said hospital, with such extra charges as may be occasioned by requiring more than ordinary care and attention, to provide for suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for by the Steward of the hospital, and to remove from said hospital whenever the room occupied by shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital; and if he should be removed at the request of

before the expiration of six calendar months after reception, to pay board for twenty-six weeks, unless he should be sooner cured. Also to pay, not exceeding fifty dollars, for all damages

he may do to the furniture, and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of
A. D. 18 .

Attest. (Signed,) _____

} Overseers of the Poor
} of the
town of

In conformity to the laws of the Commonwealth, the Trustees are required at their annual meeting to establish the price of board. The expense for the ensuing year will be at the rate of three dollars per week for the first six months after the commitment of a patient, and two dollars and seventy-five cents per week after the expiration of six months. All necessary clothing must be supplied by the friends of the patient.

Clothing will be supplied at the hospital if desirable and charged in the bills at cost.

Damages done to the furniture and other property to the amount of fifty dollars may also be charged.

Reasonable charges will be made in case of elopement, and funeral charges in case of death.

All bills are collected by the Treasurer quarterly, or interest charged on the same after becoming due.

Bills become due on the first of January, April, July, and October, and when the patient leaves the hospital.

METEOROLOGICAL OBSERVATIONS

MADE AT

THE STATE LUNATIC HOSPITAL, WORCESTER, MASS.,

1859-60.

*Latitude, 42° 16' 17" N.; Longitude, 71° 48' 13" W.
Elevation, 536 feet.*

EXPLANATION.—The force of the wind is estimated upon a scale of 10 and indicated by figures affixed to the letters denoting the direction. When no number is affixed, 1 is meant.

METEOROLOGICAL OBSERVATIONS—OCTOBER, 1859.

Moons, Days of Phases.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	Cor. and Red. to 32°.			10=covered.			Direction and Force.			Wind.			Hour Began. Ended.					
	7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	S.	W.	S.	W.	Inches Water.	_inches Snow.		
D	1	46	66 ¹ ₂	60 ¹ ₂	58	29.613	29.507	29.476	1	3	S.	S.	S.	S.	-	-	Light fog A. M.	
	2	59	67	58 ¹ ₂	62	29.425	29.221	29.238	10	8	S.	W.	S.	W.	-	-	Hazy.	
	3	49	60	51	53	29.433	29.428	29.438	0	1	N.	W.	S.	W.	-	-	Hazy.	
	4	62 ¹ ₂	76	63	64	29.411	29.428	29.441	1	0	S.	W.	S.	W.	-	-		
	5	58 ² ₁	74 ₂	-	29.457	29.334	-	1	2	-	N.	W.	S.	E. ²	-	-		
	6	57	67	46 ¹ ₂	53	29.065	29.166	29.395	5	1	0	N.	W.	N.	W. ⁵	-	-	
E	7	39 ₁	59	48 ¹ ₂	49	29.533	29.555	29.535	1	1	0	S.	W.	N.	W. ³	-	-	
	8	47	45	41 ¹ ₂	44	29.485	29.383	29.407	10	10	N.	E. ²	N.	E.	-	-	Rain. Thun. & light P.M.	
	9	40	51	44 ¹ ₂	45	29.440	29.421	29.512	10	8	N.	E. ²	N.	E. ³	a. m.	-		
	10	37 ₁	46 ¹ ₂	36	49	29.544	29.496	29.532	8	7	0	N.	W.	N.	E. ²	-	-	
	11	38	60	64	51	29.563	29.539	29.573	1	0	N.	E.	N.	E.	-	-		
	12	44	58	43 ¹ ₂	48	29.752	29.707	29.707	2	4	N.	W.	N.	W.	-	-		
F	13	62	65	67 ¹ ₂	58	29.631	29.499	29.457	9	9	N.	W.	S.	W.	-	-	Heavy frost A. M. Hazy	
	14	56 ¹ ₂	72	56 ¹ ₂	62	29.250	29.118	29.250	4	5	S.	W.	S.	W.	-	-	Foggy late P. M. [P. M.	
	15	43 ¹ ₂	49	38 ¹ ₂	44	29.297	29.320	29.308	1	7	1	N.	W.	S.	W. ⁴	p. m.	-	Shower.
	16	33	45	35	38	29.761	29.781	29.808	0	0	N.	W.	N.	W.	-	-	White frost.	
	17	33	67	64	49	29.751	29.631	29.467	2	10	S.	W.	S.	W.	-	-	White frost; foggy.	
	18	58	65	47	57	29.253	28.939	29.124	10	9	S.	W.	S.	W.	1 p. m.	.27	Misty; aurora P. M.	
G	19	39 ¹ ₂	45	48	44	29.196	29.149	29.154	2	2	S.	W.	N.	W. ⁴	-	-	Aurora 7 P. M. and seq.	
	20	34 ₁	36	32	35	29.069	29.001	29.067	5	4	N.	W.	N.	W. ³	-	-	Aurora 7 P. M. and seq.	
	21	29	36	37	32	29.065	29.056	29.170	3	3	N.	W.	N.	W. ²	-	-		
	22	31	41 ₂	39	37	29.196	29.214	29.291	1	9	10	S.	W.	N.	W. ²	-	-	
	23	37	49	40	42	29.371	29.416	29.514	9	2	0	N.	W.	S.	W.	-	-	
	24	42	51	42 ¹ ₂	42	29.548	29.392	29.386	4	8	1	N.	W.	S.	W.	-	-	
H	25	42 ¹ ₂	50 ¹ ₂	41 ¹ ₂	45	29.181	29.038	29.061	9	9	10	S.	W.	N.	W. ²	-	-	Light fog A. M.
	26	23 ₂	35	31	31	29.132	29.037	29.037	1	3	8	N.	W.	N.	W. ²	-	-	
	27	28	41	33 ¹ ₂	34	28.891	28.820	28.951	4	0	1	N.	W.	N.	W. ²	-	-	
	28	35 ₂	42	40	39	28.986	29.030	29.126	1	6	2	N.	W.	N.	W. ²	-	-	
	29	31	44	36 ¹ ₂	37	29.250	29.286	29.416	2	2	N.	W.	S.	W. ³	-	-		
	30	34	41	37 ¹ ₂	38	29.489	29.496	29.534	9	10	N.	W.	N.	W. ²	-	-	Hazy A. M.	
Means,	31	36	41	38 ¹ ₂	38	29.556	29.514	29.581	10	10	N.	W.	N.	W.	-	-		
	41	53	44	46	46	29.536	29.321	29.369	4.3	4.9	3.1	Amount,			2.46			

METEOROLOGICAL OBSERVATIONS—NOVEMBER, 1859.

Moons, Days month Phases.	THERMOMETER.						BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.				REMARKS.		
	7 A.M.			2 P.M.			9 P.M.			Cor. and Red. to 32°.			Direction and Force.			Hour		Inches				
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Began.	Ended.	Water.	Show.					
D	1	34	45 ₁	41	40	29.615	29.618	29.606	1	9	W.	W.	W.									
	2	32	48	35 ₂	38	29.578	29.468	29.519	7	8	W.	W.	W.									
	3	33 ₂	42 ₂	34	37	29.707	29.603	29.589	0	0	W.	N. W. ²	N. W.									
	4	34	58	49	47	29.563	29.472	29.515	10	2	S. W.	S. W.	S. W.									
	5	44 ₂	68	60	67	29.817	29.770	29.859	3	1	S. W.	S. W.	S. W.									
	6	40	48	34	41	29.813	29.888	29.992	1	4	S. N.	S. N.	S. N.									
	7	29 ₁	45 ₂	—	45	29.073	29.999	29.786	1	1	—	S. E.	S. W.	S. W.								
	8	35	57	44 ₂	50	29.906	29.801	29.484	3	2	S. W.	S. W.	S. W.									
	9	47 ₂	64	64	54	29.753	29.531	29.484	1	0	S. S.	S. W.	S. W.									
	10	51	50	—	—	29.299	29.122	—	7	10	9	S. W.	S. W.	S. W.								
	11	49	43	20 ₂	40	29.052	29.225	29.507	5	1	0	N. W.	N. W. ³	N. W.								
	12	29	36	43 ₂	36	29.663	29.588	29.417	9	10	N. E.	S. E.	S. E.									
	13	57	61	33 ₂	50	29.112	29.845	28.899	8	10	S. W.	S. W. ⁹	S. W. ⁴									
	14	32	39	31	34	29.266	29.396	29.572	0	4	0	N. W.	N. W.	N. W.								
	15	30 ₂	41	34	29.675	29.733	29.844	7	1	1	S. W.	S. W.	S. W.									
	16	29	48 ₂	41 ₂	40	29.913	29.895	29.939	2	9	4	N. E.	S. W.	S. W.								
	17	33	63	43 ₂	43	29.910	29.844	29.810	4	2	S. E.	S. W.	S. W.									
	18	44	52 ₂	51 ₂	49	29.761	29.615	29.544	—	10	10	S. W.	N. E.	N. E.								
	19	59	64 ₂	64 ₂	59	29.280	28.983	28.933	10	10	1	S. E.	S. W.	S. W. ²								
	20	46	39	32	39	29.095	29.317	29.603	1	5	1	N. W.	N. W. ³	N. W.								
	21	25 ₂	—	34	29.815	—	29.886	4	—	3	N. W.	—	S. E.									
	22	35	39	37 ₂	37	29.529	29.248	29.363	10	8	N. E. ²	N. W.	N. W.									
	23	40	41	35	39	29.356	29.393	29.343	7	8	—	N. W.	N. W.	N. W.								
	24	29 ₂	33	27	30	29.683	29.697	29.819	8	5	1	N.	N.	N.								
	25	27	—	33	29.860	—	29.683	8	—	7	N.	N.	N.									
	26	41 ₂	36	42	29.165	29.134	29.174	10	4	0	S.	N. W.	N. W.									
	27	32	41	36	29.198	29.283	29.272	4	4	5	S.	S.	S.									
	28	35	49	32	36	29.124	29.281	29.327	4	3	S. E.	N. ²	N.									
	29	34	39	—	29.518	29.559	—	4	3	—	N. W.	S. E.	S. E.									
	30	33	63	35	40	29.558	29.477	29.555	2	2	S. W.	S. W.	S. W.									
Means,	37	48	38	41	29.563	29.528	29.553	5.0	4.7	3.8									Amount,	3.00		

METEOROLOGICAL OBSERVATIONS—DECEMBER, 1859.

Moons' Phases of Days of Month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	Cor. and Red. to 32°.			Mean.			7 A.M. 2 P.M. 9 P.M.			Direction and Force.			Hour Ended. Hour Ended.					
	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 a.m.	8 a.m.	10 a.m.	Water. Snow.		
D	1	43	58	48	57	57	29.539	29.378	29.339	9	7	8	S. W.	S. W.	S. W.	—	Showery; rainbow A.M. Snow squall 11 P.M.	
	2	52	63	57	67	67	29.434	29.371	29.341	9	4	8	S. W.	S. S.	S. W.	—	—	
	3	28½	26	22	26	26	29.790	29.950	30.062	10	7	10	N. W.	N. E.	N. E.	.92	4	
	4	16½	18½	24	19	19	29.995	29.853	29.775	10	10	10	N. E.	N. E.	N. E.	—	—	
	5	27	30	28	28	28	29.818	29.811	29.853	10	10	10	N. E.	N. E.	N. E.	—	—	
	6	35½	35	33	33	33	29.858	29.760	29.650	10	10	10	N. E.	N. E.	N. E.	—	—	
	7	38	55½	40	45	45	29.410	29.181	29.273	10	10	10	N. E.	S. W.	N. E.	—	—	
	8	29	19½	12	20	20	29.190	29.449	29.671	10	1	0	N. W.	N. W.	N. W.	—	Drizzling rain, ending in snow.	
	9	9	24	-	22	22	29.791	29.662	29.546	5	1	4	-	N. W.	S. E.	N. W.	8 a.m.	Light snow.
	10	23	26	16½	22	20	29.352	29.403	29.546	5	5	6	N. W.	N. W.	N. W.	1.05	1	
	11	14½	22	24½	20	20	29.484	29.307	29.220	7	10	9	N. W.	S. W.	S. W.	—	—	
	12	35	26	10	24	24	29.931	29.403	29.403	9	2	2	S. W.	S. W.	S. W.	—	—	
	13	22½	14	16	16	16	29.665	29.734	29.833	4	2	2	S. W.	N. E.	N. W.	—	—	
	14	14	19	25	19	19	29.779	29.546	29.413	10	10	10	N. E.	N. W.	N. W.	—	—	
	15	24½	27½	20	24	24	29.367	29.423	29.693	7	2	0	N. W.	N. W.	N. W.	24 p.m.	—	
	16	15½	28	15½	19	19	29.802	29.673	29.742	1	2	0	N. W.	S. W.	N. W.	124 p.m.	—	
	17	22	28	28	26	26	29.744	29.660	29.605	9	10	10	N. E.	N. E.	N. E.	—	—	
	18	34	34½	32	34	34	29.322	29.178	29.208	10	10	10	N. E.	N. E.	N. E.	—	—	
	19	37	42½	37½	39	39	29.296	29.207	29.375	10	4	9	S. W.	S. W.	S. W.	12½ a.m.	Snow & rain alternately.	
	20	32½	33½	36	34	34	29.339	29.137	28.740	10	10	10	S. W.	N. E.	N. E.	9½ a.m.	Snow followed by rain.	
	21	35	34	-	29	29	29.052	29.196	29.196	9	7	7	N. W.	N. W.	N. W.	—	—	
	22	19	27½	23	23	23	29.149	29.376	29.346	2	3	2	S. W.	S. W.	S. W.	—	—	
	23	18	25	-	29	27½	29.234	29.234	29.234	7	1	0	N. W.	N. W.	N. W.	—	—	
	24	17½	15	13	29	160	29.227	29.385	8	1	0	N. W.	N. W.	N. W.	—	—		
	25	10½	23	22½	19	29	455	29.351	29.310	9	4	10	S. W.	S. W.	S. W.	—	—	
	26	22½	27½	29½	26	26	29.180	29.082	29.089	10	10	10	N. W.	N. W.	N. W.	10½ p.m.	Snow squall late P.M.	
	27	25½	18	5	16	16	29.454	29.514	29.725	0	0	0	N. W.	N. W.	N. W.	—	—	
	28	-4	4	-1	29	810	29.747	29.761	1	8	0	N. W.	N. W.	N. W.	—	—		
	29	-8	10	3	29	782	29.676	29.614	0	5	10	S. E.	S. E.	S. E.	—	—		
	30	9	22½	22	18	29	183	29.167	29.314	10	8	1	N. E.	N. W.	N. W.	11½ a.m.	Snow squall 5 P.M.	
	31	13½	17	11	14	29	330	29.435	29.482	2	2	5	S. W.	N. W.	N. W.	—	—	
Means,	22	28	23	24	24	24	29.478	29.454	29.490	7.0	4.9	5.9	—	—	—	Amounts,	4.55 19	

METEOROLOGICAL OBSERVATIONS—JANUARY, 1860.

Days of the month. Moons Phases.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.			
				Cor. and Red. to 32°.			10-covered.			Direction and Force.			Hour						
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Began.	Ended.	Water.	Inches	Snow.	
D	1	24	12	8	7	29.530	29.522	29.516	1	1	6	N. W.	N. W.	W.	—	—	—	—	—
	2	34	8	—	10	29.605	29.565	29.620	0	7	10	N. W.	N. W. ²	S. W.	8 $\frac{3}{4}$ p.m.	—	—	.05	—
	3	15	26 $\frac{1}{2}$	—	—	29.757	29.697	29.620	2	10	—	S. W.	S. W.	N. W.	—	—	—	—	Light snow evening.
	4	61	12	11 $\frac{1}{2}$	10	29.664	29.740	29.827	0	3	N. W.	N. W.	N. W.	—	—	—	—	—	
	5	25	44	44	39	29.862	29.769	29.711	4	7	10	S. W.	S. E.	S. W.	—	—	—	—	Snow sends A. M.
	6	7	29	43	39 $\frac{1}{2}$	29.510	29.471	29.417	8	10	10	S. W. ²	S. W.	S. W.	5 p.m. 11 $\frac{1}{2}$ p.m.	—	—	—	Dense fog A. M.
	7	40 $\frac{1}{2}$	48	39 $\frac{1}{2}$	43	29.277	29.195	29.301	—	1	0	S. W.	S. W.	S. W.	—	—	—	—	Lunar halo 7 P. M. and Dense fog A. M. [seq.]
	8	38	44 $\frac{1}{2}$	34 $\frac{1}{2}$	39	29.560	29.645	29.669	3	3	7	N. W.	N. W.	S. E.	—	—	—	—	Misty; intermittent rain followed by snow.
	9	10	34 $\frac{1}{2}$	47	38	29.606	29.492	29.517	—	7	7	S. E.	S. W.	S. E.	—	—	—	—	Light intermittent snow-storm followed by rain.
	11	36	42 $\frac{1}{2}$	40 $\frac{1}{2}$	40	29.327	29.211	29.403	10	10	10	S. W.	S. W.	S. W.	12 m.	—	—	—	Misty A. M.
	12	26 $\frac{1}{2}$	27 $\frac{1}{2}$	16 $\frac{1}{2}$	23	29.507	29.524	29.570	10	7	0	N. E.	N. W.	N. W.	1 $\frac{1}{4}$ p.m.	—	—	—	Very light snow A. M.
	13	21	17 $\frac{1}{2}$	11	16	29.665	29.815	29.853	3	1	7	N. W.	N. E.	N. E.	—	—	—	—	Light rain P. M.
	14	13	25	22 $\frac{1}{2}$	20	29.618	29.580	29.408	10	10	10	N. E.	N. E.	N. E.	a. m.	—	—	—	—
	15	30	37	34 $\frac{1}{2}$	33	29.008	28.998	29.069	10	1	1	N. E.	N. E.	N. W.	—	—	—	—	—
	16	16 $\frac{1}{2}$	46	33 $\frac{1}{2}$	32	29.145	29.162	29.163	8	1	0	S. W.	S. W.	N. W.	—	—	—	—	—
	17	26 $\frac{1}{2}$	49	29 $\frac{1}{2}$	32	29.058	28.969	29.083	7	10	0	N. W.	N. W.	N. W.	—	—	—	—	—
	18	18	33 $\frac{1}{2}$	29	23	29.333	29.308	29.286	1	8	10	N. W.	S. W.	S. W.	—	—	—	—	—
	19	27	33	23	28	29.154	29.222	29.377	10	6	0	N. W.	N. W.	N. W.	—	—	—	—	—
	20	26	39	33	33	29.369	29.293	29.314	9	6	1	S. W.	S. W.	S. W.	—	—	—	—	—
	21	40	50	42 $\frac{1}{2}$	44	29.086	29.073	29.268	1	3	3	S. W.	S. W.	S. W.	—	—	—	—	—
	22	37 $\frac{1}{2}$	43	37 $\frac{1}{2}$	39	29.362	29.262	29.262	9	9	10	S. E.	N. E.	N. E.	—	—	—	—	—
	23	36	39	30 $\frac{1}{2}$	35	29.477	29.511	29.624	1	0	1	N. W.	N. W.	N. W.	—	—	—	—	—
	24	25	46	36	—	29.674	29.473	—	2	9	—	N. W.	S. W.	S. W.	11 p.m.	—	—	—	—
	25	42 $\frac{1}{2}$	42	33	39	29.010	29.039	29.195	4	5	1	S. W.	S. W.	S. W.	3 $\frac{1}{2}$ a.m.	—	—	—	—
	26	27	16 $\frac{1}{2}$	20 $\frac{1}{2}$	27	29.387	29.352	29.363	2	10	10	W.	N. W.	N. W.	—	—	—	—	—
	27	18	25 $\frac{1}{2}$	21 $\frac{1}{2}$	—	29.296	29.235	—	1	1	—	S. E.	S. E.	S. E.	12 $\frac{1}{2}$ a.m.	—	—	—	—
	28	29	7 $\frac{1}{2}$	27	22	29.225	29.157	29.242	0	10	10	N. W.	S. W.	S. W.	8 p.m.	.03	—	—	—
	29	30	35	36	38	29.268	29.176	29.276	4	1	0	S. W.	S. W.	S. W.	—	—	—	—	—
	30	40	47	13 $\frac{1}{2}$	33	29.327	29.241	29.497	1	9	10	S. W.	S. W.	S. W.	9 p.m.	—	—	—	—
D	31	—	—	—	—	—	—	—	—	—	—	N. W. ²	N. W. ³	N. W. ³	—	—	—	—	Snow.
Means,	24	33	25	27	29	414	29.377	29.395	4.1	5.1	4.9	—	—	—	Amounts,	1.34	14 $\frac{3}{4}$	—	—

METEOROLOGICAL OBSERVATIONS—FEBRUARY, 1860.

THERMOMETER.				BAROMETER.		CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.			
				Cor. and Red. to 32°.		10-covered.			Direction and Force.			Hour Began.			Inches Water.		Inches Snow.	
	7 A. M.	2 P. M.	9 P. M.	Mean.		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.				
D	1	0	5	7	[29.475] 29.551	—	10	4	N. W. ³	N. W. ²	—	9½ a. m.	—	.19	2½			
	2	-3	11½	8½	29.868	29.848	29.892	7	N. W.	N. W.	N. W.	—	—	—	—	—		
	3	6	16½	15	29.946	29.860	29.892	1	10	9	N. E.	N. E.	N. E.	—	—	—		
	4	14	24	21½	29.944	29.879	29.913	10	N. B.	S. E.	S. E.	5 p. m.	—	.03	—	—	Very brief and light snow-squalls 11 A. M. & seq.	
	5	22	34	31	29.944	29.879	29.913	10	N. E.	S. E.	S. E.	—	—	—	—	—	Storm intermittent.	
	6	37	48	41	29.392	29.245	29.051	10	S. E.	S. W.	S. W.	3 a. m.	5½ p. m.	.39	—	—	Dense fog A. M. lifting at noon.	
	7	36½	—	34	29.163	—	29.400	1	S. W.	—	W.	—	—	—	—	—	Snow succeeded by rain.	
	8	—	—	33	—	—	—	—	—	—	S. W.	S. W.	11 p. m.	—	—	—	High winds.	
	9	—	45	33	—	—	29.000	—	5	7	N. W. ³	N. W. ²	—	—	—	—	—	
	10	—	14	17	—	—	29.511	29.379	29.301	6	1	N. W.	N. W.	2 a. m.	—	—	—	
	11	16	21	17½	18	29.288	29.398	29.561	1	0	N. E.	N. W. ³	7 p. m.	12 p. m.	.03	¾		
	12	11	21½	15	16	29.577	29.416	29.205	10	1	S. W.	S. W.	—	—	—	—		
	13	17	41	37	32	29.412	29.502	29.502	10	2	N. E. ²	N. W.	—	—	—	—		
	14	27	29	25	29.357	29.412	29.502	10	9	0	N. E. ²	N. W.	—	—	—	—		
	15	12	28	24	21	29.645	29.520	29.334	1	10	N. N.	S. E. ²	N. E. ²	8½ p. m.	—	—		
	16	19	25	22½	22	29.179	29.073	29.118	10	10	N. E. ²	N. E. ²	N. E. ²	—	—	—		
	17	12	12	8	11	29.242	29.175	29.217	8	1	N. W. ³	N. W. ³	N. E.	2 a. m.	.52	0½		
	18	4	14½	14½	11	29.221	29.025	28.580	3	10	N. W.	N. E.	N. E.	11 a. m.	12 p. m.	.83	6½	
	19	21	20	16	19	28.580	28.796	29.201	9	9	N. W. ²	N. W. ³	N. W.	—	—	—		
	20	15	32½	26	24	29.642	29.406	29.449	8	10	N. W.	S. W.	S. W.	—	—	—		
	21	23½	40½	—	29.595	29.618	—	3	0	S. W.	S. E.	S. E.	10½ a. m.	12 p. m.	.68	—		
	22	28	48½	51	42	29.689	29.461	29.174	5	10	S. W.	S. E.	S. E.	4 p. m.	6 p. m.	.10	—	
	23	46	63	43½	48	29.56	28.912	29.072	10	1	S. W.	S. W.	S. W.	—	—	—		
	24	33	38	31	34	29.225	29.193	29.251	1	6	N. W. ²	N. W. ²	N. W. ³	—	—	—		
	25	23½	29	24	26	29.331	29.384	29.563	1	3	N. W.	N. W.	N. W.	—	—	—		
	26	20½	20	26½	25	29.726	29.774	29.803	1	1	N. W.	N. W.	N. W.	—	—	—		
	27	31½	52½	43½	42	29.811	29.660	29.692	2	1	S. W.	S. W.	S. W.	—	—	—		
	28	38	53½	37	43	29.793	29.811	29.871	9	9	S. W.	N. E.	N. E.	7 p. m.	—	—		
	29	35	42½	—	29.897	29.786	—	10	10	N. E.	N. E.	N. E.	—	—	—			
Means,	21	31	27	26	[29.501]	29.427	29.408	6.0	6.1	6.3				Amounts,	2.77	20		

METEOROLOGICAL OBSERVATIONS—MARCH, 1860.

Days of Month, Moons, Phases,	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	Cor. and Red. to 32°.			Mean.			7 A. M. [2 p. m.]			Direction and Force.			Hour Began.				
	7 A. M.	2 p. m.	9 p. m.	7 A. M.	2 p. m.	9 p. m.	7 A. M.	2 p. m.	9 p. m.	7 A. M.	2 p. m.	9 p. m.	Hour Ended.	Inches Water.	Show.		
10	1	36 ³	42 ³	42	40	29.550	29.310	29.192	10	10	N. E.	N. E.	N. E.	10 p. m.	.71	—	
	2	47 ³	57 ²	47	47	29.277	29.242	29.542	1	0	N. W. ²	S. W. ³	S. W. ³	—	—	—	
	3	34 ²	51	43 ²	43	29.713	29.520	29.220	5	10	N. W. ²	S. W. ³	S. W. ³	10 p. m.	.10	—	
	4	44 ²	55 ²	42 ²	35	29.066	29.109	29.274	1	2	N. W.	N. W. ⁴	N. W. ²	—	—	—	
	5	25 ³	46 ²	36 ²	46	29.421	29.209	29.052	0	6	N. W.	S. W.	N. W.	—	—	—	
	6	30 ²	36 ²	31	36	29.273	29.349	29.514	1	0	N.	S. E.	S. E.	6 ² a. m.	.34	—	
	7	33	36 ²	35	35	29.443	29.311	29.239	10	10	S. E.	S. W.	S. W.	4 ² p. m.	.34	—	
	8	40	43 ²	42	42	29.558	29.278	29.180	7	10	S. E.	S. W.	S. W.	11 ² p. m.	.29	—	
	9	33 ²	40	34	28.944	28.788	28.931	10	9	N.	N. W. ³	N. W. ²	—	—	—	—	
	10	25 ²	27 ²	22 ²	25	28.958	28.992	29.105	2	4	W.	N. W. ³	N. W.	—	—	—	
	11	25 ²	35 ²	31	31	29.143	29.165	29.266	4	7	W.	N. W. ³	N. W.	—	—	—	
	12	31	39 ²	38 ²	36	29.249	29.112	29.143	10	10	S. E.	S. E.	N. W.	—	—	—	
	13	33	36	35	35	29.232	29.290	29.289	9	10	N. W.	N. N. ²	N. N. ³	—	—	—	
	14	34	39	—	—	29.187	29.233	—	10	9	N.	N. W. ³	N. W.	—	—	—	
	15	34	50 ²	37 ²	41	29.583	29.638	29.735	0	0	N. W.	N. W.	N. W.	—	—	—	
	16	32 ²	54 ²	37 ²	41	29.814	29.786	29.800	0	0	S. W.	S. W.	S. W.	—	—	—	
	17	32 ²	64 ²	41	42	29.788	29.743	29.766	4	9	S. W.	S. W.	S. W.	—	—	—	
	18	33 ²	56	43 ²	44	29.823	29.748	29.769	0	4	S. E.	S. E.	S. E.	—	—	—	
	19	35	52	36	41	29.677	29.622	29.456	1	0	N. E.	N. E.	N. E.	—	—	—	
	20	35	48 ²	—	—	29.070	—	—	10	2	N. R.	N. E.	N. W.	5 p. m.	.09	—	
	21	34	36 ²	—	—	29.022	28.997	—	1	10	N. W. ²	N. W. ³	N. W. ²	—	—	—	
	22	21	26	20	22	28.927	28.916	29.010	9	9	N. W.	N. W. ²	N. W. ²	6 ² a. m.	.03	1 ²	
	23	22	37	32	30	29.035	28.987	28.963	9	3	N. W. ²	N. W. ²	N. W. ²	—	—	—	
	24	31	34 ²	29	32	28.845	28.790	28.914	1	8	N. W. ³	N. W.	N. W.	—	—	—	
	25	27	34 ²	28	29	28.972	28.990	29.248	8	8	N. W.	S. W.	S. W.	—	—	—	
	26	27 ²	42 ²	31	33	29.258	29.269	29.327	0	4	N. W.	S. W.	S. W.	—	—	—	
	27	28 ²	40	34 ²	31	29.356	29.304	29.370	8	2	N. W.	S. W. ²	S. W. ²	6 p. m.	.73	p. m.	
	28	29	49 ²	37	38	29.286	29.092	29.103	1	0	S. W.	S. W.	S. W.	—	—	—	
	29	3 ²	45 ²	38	38	29.170	29.068	29.174	1	3	S. W.	S. W.	S. W.	—	—	—	
	30	3 ²	64 ²	50	50	29.241	29.147	29.137	3	0	S. W.	S. W.	S. W.	—	—	—	
	31	44 ²	69 ²	67	29	29.081	28.932	28.971	0	0	S. W.	S. W.	S. W.	—	—	—	
Mens,	32	44	36	37	29	288	29.226	29.275	4.5	5.5	3.0				Amounts,	2.26	6 ²

METEOROLOGICAL OBSERVATIONS—APRIL, 1860.

THERMOMETER. 7 A.M. | 2 P.M. | 9 P.M.	BAROMETER. Cor. and Red. to 32°.			CLOUDS. 10=covered.			WIND. Direction and Force.			RAIN AND SNOW.			REMARKS.		
	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	7 P.M.	7 A.M.	2 P.M.	9 P.M.	Hour Began.	Hour Ended.	Inches Water.	Inches Snow	
1	45	67	48 ¹ ₂	53	28.031	28.745	28.828	0	8	10	S. W.	S. W.	N. E.	8 ¹ ₂ p.m.	Hazy; rain followed by snow—very light.
2	26	30	22 ¹ ₂	26	29.011	29.064	29.196	8	0	0	N. W. ³	N. W. ³	N. W.	—	—
3	21	38 ¹ ₂	37	32	29.297	29.165	29.135	9	10	4	S. W.	S. W.	S. E.	—	—
4	42	53	45	50	28.958	28.932	29.085	9	10	10	S. W.	S. W. ²	S. W.	6 a. m.	Trailing arbutus bloss.
5	44	57 ¹ ₂	49 ¹ ₂	50	28.938	28.955	29.085	9	12	2	S. W.	S. E.	N. E.	—	Flight interrupted rain.
6	41	46	35 ¹ ₂	41	29.267	29.247	29.470	10	10	10	N. E.	S. E.	N. E.	1 p. m.	Daphne mezereum bloss.
7	35	50 ¹ ₂	40	41	29.604	29.579	29.617	0	1	1	N. W.	N. W.	S. W.	8 ³ ₄ a. m.	White frost. [showery.
8	39 ¹ ₂	—	49 ¹ ₂	—	29.610	29.576	29.617	0	10	10	N. S.	S. S.	S. W. ²	—	Red maple bloss.
9	50	50 ¹ ₂	43 ¹ ₂	48	29.280	29.263	29.456	10	10	10	S. W.	N. E.	N. E. ²	—	Fog and rain.
10	37	41	38	39	29.617	29.577	29.430	10	10	10	N. E. ²	N. E.	N. E.	12 ³ ₄ p.m.	Rain and hail.
11	41 ¹ ₂	45	43	43	29.113	29.149	29.300	10	10	10	S. W.	N. E.	N. E.	2 ¹ ₂ p.m.	Drizzling.
12	40	56 ¹ ₂	46	46	29.457	29.312	29.306	0	2	1	S. W.	S. W. ²	S. W.	—	Aurora. [bloss.; aurora.
13	45	45	41 ¹ ₂	44	29.136	29.172	29.303	3	5	5	S. W.	N. W. ⁴	N. W. ²	a. m.	Saxifrage and chickweed.
14	41	41 ¹ ₂	28	37	29.116	29.074	29.334	9	8	0	S. W.	S. W.	S. W.	—	Crocus bloss.; rain A.M.
15	24	38	33 ¹ ₂	32	29.491	29.493	29.643	0	1	0	N. W.	N. W.	N. W.	—	Aurora. [snow sq. 1 ¹ ₂ P.M.
16	33	48	40	39	29.709	29.632	29.496	2	10	10	S. W.	S. W.	S. W.	3 ¹ ₂ p.m.	Intermittent rain.
17	41	65 ¹ ₂	49 ¹ ₂	52	29.251	29.173	29.453	10	4	1	S. W.	S. W.	S. W.	—	Thick fog.
18	35	48 ¹ ₂	40	41	29.756	29.793	29.846	0	0	0	N. W.	N. W.	N. W.	—	Faint aurora.
19	38	55 ¹ ₂	47	50	29.882	29.696	29.627	1	1	2	N. W.	S. W.	S. W.	—	Wild strawberry bloss.
20	44 ¹ ₂	66	58	59	29.488	29.276	29.192	6	9	8	S. W.	S. W.	S. W.	—	Hyacinth bloss.; Pansy.
21	52 ¹ ₂	47	38 ¹ ₂	46	29.171	29.277	29.346	10	10	10	N. E.	N. E.	N. E. ²	10 a. m. 11 ¹ ₂ a. m.	Dandelion bloss. [bloss.
22	38	—	45 ¹ ₂	45	29.316	—	29.293	9	—	9	S. E.	S. E.	S. E.	11 a. m.	[driz. r.; snow sq. 6 A.M.
23	47 ¹ ₂	62	52	54	29.250	29.196	29.186	1	10	9	S. W.	S. W.	S. W.	—	Snow scuds P. M.
24	45	64	35 ¹ ₂	45	29.195	29.076	29.203	9	4	0	N. E.	S. W.	S. W.	—	Snow; cowslips bloss.
25	32 ¹ ₂	35 ¹ ₂	35 ¹ ₂	37	29.211	29.118	29.122	1	8	3	N. W.	S. W.	N. W.	—	Housatonia bloss.
26	36 ¹ ₂	51 ¹ ₂	40	43	29.176	29.217	29.400	9	8	0	N. E.	N. W. ²	N. W.	—	Light fog A. M.; blue violets bloss.
27	40	57	45	47	29.512	29.468	29.573	1	3	0	N. W.	S. W.	S. W.	—	—
28	42	61	48	50	29.708	29.729	29.756	2	6	2	N. E.	N. E. ²	N. E.	—	—
29	—	59 ¹ ₂	—	46	29.599	29.575	29.638	0	1	0	N. E.	N. E. ²	N. E.	—	—
30	41 ¹ ₂	56	39 ¹ ₂	46	29.599	29.575	29.638	0	1	0	N. E.	N. E. ²	N. E.	—	—
Means,	39	51	42	44	29.352	29.321	29.336	5.4	5.9	4.6				Amount,	1.36

METEOROLOGICAL OBSERVATIONS—MAY, 1860.

Moons, Inches of Water, etc.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	Cor. and Red. to 32°.			10=covered.			Direction and Force,			Hour Began			Hour Ended.				
	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.		
1	37	54	45	29.577	29.529	29.574	10	6	10	N. E.	E. 2	N. E. 2	-	-	-	Misty all A. M. [trill] A. M.	
2	42	60	48	29.572	29.547	29.570	10	4	4	N. E.	E. 3	N. E. 2	-	-	-	Columbine bloss.; misty.	
3	46	64	52	29.510	29.438	29.430	8	4	8	N. E.	E. 2	N. E.	-	-	-	M. Cur't & Blond r't blos.	
4	51 ¹ ₂	67 ¹ ₂	54	29.379	29.298	29.334	7	0	1	N. E.	S. E.	N. E.	-	-	-	Cherry, F. de Lis, Tulip, blossom.	
5	52	75 ¹ ₂	55	29.354	29.320	29.385	0	1	2	N. E.	N. E.	N. E.	-	-	-	Irraz A. M.; P. Japonica, Peach	
6	56	72	62	29.397	29.454	29.345	0	0	2	N. E.	S. E.	N. E.	-	-	-	Irraz all day.	
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Shad blossoms.	
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Pears and Plums blossom.	
9	52	57 ¹ ₂	54	29.573	29.581	29.613	10	10	10	S. E.	S. E.	S. E.	-	-	-	Orioles appear.	
10	52	65 ¹ ₂	57	29.659	29.665	29.704	10	10	10	S. E.	S. E.	S. E.	-	-	-	Flowering Almond blossom.	
11	51 ¹ ₂	71 ¹ ₂	59	61	29.750	29.708	29.728	8	4	1	S. W.	S. W.	S. W.	-	-	-	Apple blossoms.
12	60	75	61	29.740	29.635	29.609	0	4	6	S. W.	S. W.	S. W.	-	-	-	Distant lightning, eve'g.	
13	-	78	67	70	-	29.302	29.362	2	3	1	S. W.	S. W.	S. W.	-	-	-	Smoky all day.
14	64 ¹ ₂	68	49	60	29.212	29.379	10	5	9	N. E.	N. E. ²	N. E. ²	-	-	-	Hazy.	
15	45	62 ¹ ₂	48	52	29.451	29.383	29.414	9	1	0	N. E. ²	N. W.	S. E.	-	-	-	Hazy.
16	49	59 ¹ ₂	46	51	29.379	29.454	29.619	5	9	1	S. W.	N. E.	S. E.	-	-	-	[Frost.
17	45 ¹ ₂	66	49	53	29.696	29.610	29.680	0	3	1	S. E.	S. W.	S. W.	-	-	-	Dense fog A. M.; sharp
18	51 ¹ ₂	66	58	58	29.632	29.487	29.354	10	10	10	S. W.	S. S.	S. W.	-	-	-	Lilac & T. Honey's! bloss.
19	58 ¹ ₂	70	69	63	29.104	28.838	28.818	10	4	2	S. E.	S. W. ²	S. W.	-	-	-	Cali's bloss.; shower 8 ¹ / ₂ P. M.
20	55	56	46 ¹ ₂	62	28.841	29.046	29.306	1	2	1	W. ³ N. W. ³	N. W.	N. W.	-	-	-	P. Lilac bloss.; It's shower 8A. M.
21	45	43	41	43	29.475	29.440	29.432	10	10	10	N. W.	N. E.	N. E.	-	-	-	Sharp frost; inter'd rain.
22	42	51 ¹ ₂	49	47	29.334	29.363	29.373	10	10	10	N. E.	N. W.	N. E.	-	-	-	Horse-chestnut & Gera-
23	54	66	56	59	29.461	29.428	29.488	1	1	1	N. W. ²	N. W.	N. W.	-	-	-	nium Maculatum bloss.
24	53 ¹ ₂	67 ¹ ₂	50	57	29.641	29.439	29.515	4	6	0	S. W.	S. W.	S. W.	-	-	-	Interrupted rain.
25	53 ¹ ₂	76	61	63	29.521	29.349	29.346	1	3	1	S. W.	N. E.	N. E.	-	-	-	[Ball blossoms.
26	56 ¹ ₂	55 ¹ ₂	48 ¹ ₂	63	29.376	29.357	29.343	4	10	10	N. E.	N. E.	N. E.	-	-	-	Frost; hazy A. M.; snow-
27	49	56	50	52	29.320	29.307	29.310	10	10	10	N. E.	N. E.	N. E.	-	-	-	Mt. Pk bloss.; Th. st.; int. r.
28	49	60	49 ¹ ₂	53	29.285	29.270	29.342	10	10	10	S. E.	S. E.	S. E.	-	-	-	R. Roseblos.; steady rain
29	56 ¹ ₂	72	60 ¹ ₂	63	29.435	29.454	29.482	0	1	1	S. W.	S. W.	S. W.	-	-	-	-
30	57 ¹ ₂	61	54 ¹ ₂	61	29.514	29.404	29.419	1	1	1	S. W.	S. W.	S. W.	-	-	-	-
31	54	63	67 ¹ ₂	67	29.293	29.221	29.187	10	10	10	S. W.	S. W.	S. W.	-	-	-	.94
Morn.,	51	64	53	56	29.444	29.399	29.434	5	8	5	5	5	4	7	Anount.	2.66	

METEOROLOGICAL OBSERVATIONS—JUNF, 1860.

THERMOMETER.	BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	Cor. and Red. to 32°.			10-covered.			Direction and Force.			Hour					
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Began.	Ended.	Water.	Snow.	
1	59	69	60 ¹ ₂	63	29.126	29.075	29.115	10	9	10	N. E.	N. E.	N. E.	N. W.	2.15 p.m.
2	57	69	58 ¹ ₂	61	29.147	29.172	29.233	10	5	1	N. E.	N. E. ²	N. E. ²	N. W.	—
3	64 ¹ ₂	77	62 ¹ ₂	68	29.217	29.143	29.128	0	1	1	N. E.	N. E. ¹	N. E. ¹	N. W.	—
4	64 ¹ ₂	80	62 ¹ ₂	69	29.031	28.922	28.932	3	4	2	N. E.	N. E. ²	N. E. ²	N. W.	—
5	58	64	57	57	28.878	28.848	28.915	10	10	10	N. E.	N. E.	N. E.	N. W.	—
6	54 ¹ ₂	61	59 ¹ ₂	58	28.944	28.983	29.022	10	10	4	N. E.	N. E. ²	N. E. ²	N. W.	—
7	62 ¹ ₂	68 ¹ ₂	62 ¹ ₂	64	29.001	28.946	28.912	7	9	3	S. W.	S. W.	S. W. ²	S. W.	—
8	64 ¹ ₂	72 ¹ ₂	66 ¹ ₂	64	28.983	28.888	28.911	0	4	9	N. W. ²	N. W. ²	N. W. ²	N. W. ²	6.45 p.m.
9	—	63 ¹ ₂	—	—	—	28.843	—	—	—	9	N. W. ²	N. W. ²	N. W. ²	N. W. ²	p. m.
10	58 ¹ ₂	62 ¹ ₂	56	59	28.828	28.908	29.013	9	9	5	N. W. ³	N. W. ³	N. W. ³	N. W. ⁴	—
11	60	69	59	63	29.042	29.087	29.227	1	0	3	N. W. ³	N. W. ²	N. W. ²	N. W.	—
12	63 ¹ ₂	74	62 ¹ ₂	66	29.321	29.284	29.321	1	0	1	N. W.	N. W.	N. W.	N. W.	—
13	65	79	64 ¹ ₂	69	29.407	29.377	29.423	0	0	1	N. W.	N. E.	N. E.	S. W.	—
14	69	82	66 ¹ ₂	72	29.416	29.378	29.396	5	2	7	S. W.	S. W.	S. W.	S. W.	—
15	64 ¹ ₂	80 ¹ ₂	65 ¹ ₂	70	29.363	29.334	29.365	5	5	2	S. W.	S. W.	S. W.	S. W.	3.30 p.m.
16	64 ¹ ₂	71	63 ¹ ₂	66	29.409	29.371	29.426	9	8	4	S. W.	S. W.	S. W.	S. W.	5.45 a.m.
17	66	70	63 ¹ ₂	66	29.469	29.443	29.506	1	9	8	S. E.	S. E.	S. E.	S. W.	5.30 p.m.
18	68	74	64 ¹ ₂	64	29.491	29.429	29.369	10	9	8	S. E.	S. E.	S. E.	S. W.	4.45 p.m.
19	62	74	65 ¹ ₂	67	29.273	29.148	29.128	10	.9	9	S. W.	S. W. ²	S. W. ²	S. W.	7 a.m.
20	63 ¹ ₂	57 ¹ ₂	51 ¹ ₂	57	29.080	29.134	29.304	10	10	10	S. E.	S. E.	S. E.	N. E. ³	5 a.m.
21	52	58 ¹ ₂	50 ¹ ₂	54	29.443	29.493	29.537	10	7	3	N. E.	N. E.	N. E.	N. E.	—
22	59	73	61 ¹ ₂	68	29.530	29.486	29.495	0	1	0	N. E.	N. E.	N. E.	N. E.	4 p.m.
23	62 ¹ ₂	79	62 ¹ ₂	68	29.484	29.493	29.629	0	2	8	S. B.	S. B.	S. B.	N. E.	7.30 p.m.
24	60 ¹ ₂	73 ¹ ₂	63 ¹ ₂	66	29.731	29.751	29.774	3	0	0	N. E.	S. E.	S. E.	S. E.	—
25	64	73	61	66	29.847	29.660	29.642	2	0	1	S. W.	S. W.	S. W.	N. W.	—
26	63 ¹ ₂	80	72	72	29.525	29.428	29.395	9	9	1	N. ²	N. ²	N. ²	S. W.	—
27	69	74	63	69	29.496	29.488	29.488	1	1	1	N. ²	N. ²	N. ²	S. W.	10 a.m.
28	64 ¹ ₂	76	69	70	29.473	29.358	29.355	2	1	5	N.	N.	N.	S. W.	7.30 p.m.
29	67 ¹ ₂	79	71	72	29.179	29.021	28.951	9	7	4	S. W.	S. W.	S. W.	W. ²	—
30	74	80	75	75	29.071	29.129	29.219	7	7	4	W. ²	W. ²	W. ²	W. ³	—
Means.	62	72	65	66	29.283	29.247	29.266	5.2	4.9	4.4	Amount,			6.65	

the month.
Inches of
rain.

Mount Ash bloss.; fog followed by rain.
Drizzle. Hazy A. M.
Intermittent rain.
Steady rain.
Peony blossoms.
Syringa bloss.; shower.
Showery P. M.
Gusty all day.

Golden Linked Laburnum bloss.
Th. st.; solar halos A.M.
Shower, with thunder.
Thunder shower.
Continued rain.
Lightning 10 P. M.
Showers; rainbow 5 A.M.
Shooting star 9 P. M.
Storm 4 P. M.
Misty A. M.; thunder.
Foggy; Locust bloss.
Light fog A. M.
Comet visible.
Rainbow 7.15 P. M.
Thunder and lightning;
Showery all day.
Faint aurora.

METEOROLOGICAL OBSERVATIONS—JULY, 1860.

Days of Month,	Morn. 7 A.M.	Noont. 2 P.M.	Night. 9 P.M.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
				Cor. and Red. to 32°.			10=covered.			Direction and Force.			N.W.			Hour			
				7 A.M.	2 P.M.	9 P.M.	N.	W.	S.	N.	W.	S.	W. ²	N.	W.	Water.	Inches Snow.		
①	1	64	72	63 ¹	66	29.354	29.337	29.398	9	1	N.	N.	N.W. ²	N.	W.	—	—	—	Wild Rose, Elder bloss.
②	2	66 ²	75	65 ²	69	29.442	29.411	29.428	0	4	S.	S.	S.W. ²	N.	W.	—	—	—	Hazy early A.M.
③	3	65	78	67	70	29.439	29.344	29.265	8	8	10	S.	W.	S.	W.	7 ³ p.m.	—	—	Light haze A.M.
④	4	66	78 ¹	66	70	29.168	29.151	29.202	10	5	6	N.E.	N.E.	N.E.	N.E.	7 ² p.m.	a.m.	1.27	Intermittent rain.
⑤	5	63	57	52	57	29.189	29.182	29.242	10	10	10	N.E.	N.E.	N.E.	N.E.	—	—	—	Mist.
⑥	6	67	70	59	62	29.311	29.309	29.463	0	5	0	N.E.	N.E.	N.E.	N.E.	—	a.m.	1.39	Misty 5 A.M.; drizzle & [showers.
⑦	7	63	72 ¹	65 ³	65	29.512	29.477	29.471	2	1	1	N.B.	N.B.	S.	W.	—	—	—	Variable rain.
⑧	8	53 ²	63 ²	60	60	29.377	29.254	29.247	10	10	16	N.E. ²	N.E. ²	N.E.	N.E.	7 a.m.	—	.31	Very light showers.
⑨	9	65 ²	78	70	72	29.243	29.245	29.203	10	2	5	S.W.	S.W.	S.W.	S.W.	12 m.	—	—	Thick fog A.M.
⑩	10	69	77	77	71	29.402	29.384	29.425	7	8	10	W. ³	W. ³	N.W. ²	N.W.	9 p.m.	2 a.m.	1.00	Hazy A.M. early.
⑪	11	62 ²	71	63	65	29.477	29.471	29.481	0	7	1	N.W. ³	N.W. ³	N.W.	N.W.	—	—	—	Misty A.M.; trifling show'r with thun. & light; fog.
⑫	12	69	68 ²	69 ²	63	29.449	29.442	29.468	4	5	1	N.E.	N.E.	S.E.	S.E.	—	—	—	Catalpa blossoms.
⑬	13	65	69	60	65	29.469	29.486	29.493	0	5	2	S.W.	S.W.	S.W.	S.W.	—	—	—	Aurora borealis.
⑭	14	69	76	66	67	29.495	29.486	29.395	0	4	5	S.W.	S.W.	S.W.	S.W.	—	—	—	Brilliant meteor. [P.M.
⑮	15	66	81	68 ²	72	29.484	29.442	29.395	0	4	5	S.E.	S.E.	S.E.	S.E.	—	—	—	Hazy A.M., show' with th Dwarf Horse Chestnut bl Showery; little rain.
⑯	16	68	84	71 ²	74	29.338	29.329	29.259	8	1	9	S.W.	S.W.	S.W.	S.W.	—	—	—	Thunder storm.
⑰	17	68	74	65 ²	69	29.290	29.324	29.398	0	1	1	N.W.	N.W.	N.W.	N.W.	—	—	—	Drizzly.
⑱	18	64	—	75	—	29.413	—	—	0	4	—	S.	V.	S.	W. ²	a.m.	10 a.m.	.53	Heavy showers; fog.
⑲	19	—	79 ²	75	—	29.385	29.380	—	4	1	0	S.W.	S.W.	S.W.	S.W.	7 ¹ a.m.	5 p.m.	1.09	Light shower.
⑳	20	—	72	72	—	—	—	29.246	—	—	0	S.W.	S.W.	S.W.	S.W.	—	—	—	Amount, 7.91
㉑	21	67	74 ²	70	70	29.117	29.912	28.982	10	10	1	N.	N.	N.W. ²	N.	5 p.m.	10 p.m.	.34	—
㉒	22	63 ²	71 ²	62	66	29.279	29.309	29.301	0	1	1	N.	N.	N.W. ²	N.	—	—	—	—
㉓	23	63	77	68	69	29.126	28.970	29.089	10	7	4	S.W.	S.W.	S.W.	S.W.	8 a.m.	10 a.m.	—	—
㉔	24	60	71	61	64	29.349	29.335	29.417	0	1	0	N.W.	N.W.	S.	W.	—	—	—	—
㉕	25	61	79 ²	67	69	29.511	29.502	29.547	5	6	1	S.W.	S.W.	S.W.	S.W.	—	—	—	—
㉖	26	68	81	65	71	29.520	29.404	29.293	4	6	10	S.W.	S.W.	S.W.	S.W.	8 ³ p.m.	10 p.m.	.34	—
㉗	27	69	71 ²	60	67	29.260	29.349	29.482	9	4	0	N.W.	N.W.	N.W.	N.W.	—	—	—	—
㉘	28	59	59 ²	63 ²	63	29.616	29.589	29.609	1	9	1	N.W.	N.W.	S.	W.	1 ¹ p.m.	—	—	—
㉙	29	59	63 ²	61	61	29.576	29.471	29.354	8	10	10	N.W.	N.W.	S.	W. ²	—	a.m.	.96	—
㉚	30	62	78	68 ²	69	29.217	29.147	29.191	10	7	1	S.E.	S.E.	S.W.	S.W.	2 p.m.	2 ¹ p.m.	.03	—
㉛	31	68	74	68	70	29.217	29.176	29.195	1	9	1	S.W.	S.W.	S.W.	S.W.	—	—	—	—
Means,	64	74	63	67	29.357	29.319	29.340	4.8	5.2	3.5									

METEOROLOGICAL OBSERVATIONS—AUGUST, 1860.

THERMOMETER. 7 A.M. | 2 P.M. | 9 P.M. Cor. and Red. to 32° | Mean.	BAROMETER. 7 A.M. | 2 P.M. | 9 P.M. Mean.			CLOUDS. 10=covered.			WIND. Direction and Force. 7 A.M. | 2 P.M. | 9 P.M. 7 A.M. | 2 P.M. | 9 P.M.			RAIN AND SNOW. Hour Began. | Hour Ended. | Inches Water. | Inches Snow.			REMARKS.		
C	1	57 ³	70	58	62	29.347	29.307	29.496	0	0	1	N. W. ²	S. W. ³	S. W.	Hazy A. M.
	2	59 ³	74	63	65	29.612	29.579	29.595	3	1	1	N. W.	S. W.	S. W. ²	Light shower; lightning.
	3	64 ³	79	65	69	29.613	29.560	29.510	1	2	3	S. E.	S. W.	S. W. ²	Hazy A.M.; aurora P.M.
	4	70	75	66 ³	73	29.412	29.309	29.283	8	10	10	N. W.	S. W.	N. W. ²	Light fog A. M.
	5	72	76 ³	66 ³	72	29.335	29.363	29.413	0	2	-	N. N.	N. W.	S. W.	Lightning; showery.
	6	68 ²	78	68 ²	71	29.502	29.484	29.454	0	0	0	N. N.	N. W.	S. W.	Hazy early A. M.
	7	69	85	74	76	29.411	29.298	29.285	4	7	8	S. W.	S. W.	S. W. ²	Interrupted rain.
	8	74	85	76	78	29.218	29.185	29.173	8	10	9	S. W.	S. W.	S. W.	Misty A. M.
	9	72	89	72	75	29.190	29.211	29.272	9	8	1	S. W.	S. W.	S. W.	Showers, very heavy.
	10	67 ²	85	74	75	29.350	29.322	29.342	1	2	10	S. W.	S. W.	S. W.	Showery.
D	11	72	73	67 ²	74	29.322	29.333	29.455	10	9	10	N. E.	S. E.	S. E. ²	Faint aurora 9 P. M.
	12	66 ²	69	66 ²	69	29.610	29.505	29.504	10	8	9	N. E.	S. E.	S. E. ²	Hazy A. M.
	13	65 ²	82	76	74	29.354	29.334	29.340	10	7	9	N. E.	S. W. ³	S. W. ²	Showers; thunder and lightning; aurora P.M.
	14	67	69	61	66	29.362	29.352	29.447	10	10	10	N. W.	N. E.	N. E. ²	Misty P. M.
	15	58	68	58	61	29.505	29.537	29.583	0	1	0	N. E. ²	N. W. ²	N. W.	Drizzle with showers.
	16	59	72 ²	63 ²	65	29.625	29.590	29.506	1	6	1	S. W.	S. E.	S. E. ²	Dense fog A.M.; light rain.
	17	61 ²	77	64 ²	67	29.505	29.426	29.383	7	3	1	S. E.	S. W.	S. W.	Drizzling rain. [P. M.]
	18	63 ²	81	66	70	29.311	29.210	29.288	9	6	5	S. W.	S. W. ²	S. W.	Showery.
	19	65	76	64 ²	68	29.348	29.423	29.527	1	3	10	N. W.	N. E. ²	N. E. ²	Very light showers, P.M.
	20	63	71	67 ²	67	29.601	29.570	29.540	10	10	10	N. E.	N. E.	S. E.	Amount, 576
E	21	70	76 ²	71	72	29.550	29.504	29.493	10	9	10	S. W.	S. W.	S. W. ²	Shows.
	22	67	72 ²	69 ³	70	29.478	29.470	29.463	10	4	8	S. W.	S. W.	S. W. ²	Shows.
	23	66	68	73	71	29.478	29.453	29.475	7	8	10	S. E.	N. E.	N. E. ²	Shows.
	24	68	73	66 ³	69	29.438	29.388	29.322	10	9	10	N. E.	S. W.	S. W.	Shows.
	25	64	75	69	69	29.104	29.101	29.119	10	8	9	N. E.	S. W.	S. W.	Shows.
	26	65	76	65	69	29.184	29.199	29.278	0	4	4	S. W.	S. W.	S. W. ²	Shows.
	27	67	76 ²	67	70	29.312	29.278	29.278	1	4	10	N. W.	S. W. ²	S. W. ²	Shows.
	28	62 ²	-	59	-	29.301	29.301	29.301	7	2	9	S. W.	S. W.	S. W.	Shows.
	29	57	69	64	64	29.294	29.304	29.341	4	8	9	N. W. ⁴	S. W.	S. W.	Shows.
	30	62 ²	74	62	66	29.420	29.348	29.279	1	1	0	N. W.	S. W.	S. W. ²	Shows.
Means,	31	65	76	64	68	29.134	29.072	29.144	6	10	1	S. W. ²	S. W. ²	S. W. ²	Shows.
		65	76	67	69	29.395	29.367	29.383	5.4	5.9	5.3				

METEOROLOGICAL OBSERVATIONS—SEPTEMBER, 1860.

THERMOMETER.	BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	Cor. and Red. to 32°.			10-covered.			Direction and Force.			Hour				
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Began.	Ended.	Inches Water, Snow.	
Moon's Phases.	1	60	71	62	64	29.240	29.239	29.335	1	9	S. W.	N. W. ²	-	
	2	55	66	55	59	29.541	29.545	29.614	0	1	N. W.	N. W. ²	-	
	3	53 ¹	69	59	60	29.756	29.741	29.412	1	0	N. W.	N. W.	-	
	4	59	72	60	64	29.412	29.404	29.575	0	2	S. W.	S. W. ²	-	
	5	62	75	70	69	29.412	29.320	29.313	10	10	W.	S. W.	-	
	6	-	82	68	-	-	-	29.339	29.308	8	S. W.	S. W.	-	
	7	69	89	72	74	29.357	29.298	29.294	3	5	S. W.	S. W.	-	
C	8	71	64	65	63	29.110	29.103	29.135	10	10	W.	N. E. ²	4 a.m.	
	9	46	51	46	48	29.383	29.433	29.492	10	9	N. E. ²	N. E.	-	
	10	-	-	54	-	-	-	29.395	-	3	N. N.	-	10 a.m.	
	11	54	65	58	59	29.416	29.327	29.179	3	5	W.	W.	-	
	12	56	56	56	57	28.918	28.908	29.011	10	10	E.	N. E. ³	7 a.m.	
	13	49	59	51	53	29.159	29.237	29.532	3	2	N. ³	S. W.	-	
	14	55 ¹	69	56	60	29.741	29.747	29.787	1	4	N. W.	S. W.	-	
	15	54 ²	74	59	62	29.776	29.718	29.709	4	1	S. W.	S. W.	-	
	16	58	74	62	65	29.606	29.524	29.472	1	1	S. W.	S. W. ²	-	
	17	63	72	64	66	29.422	29.366	29.405	8	9	S. W.	S. W. ²	-	
	18	58	68	64	63	29.508	29.488	29.543	0	1	N.	S. W.	-	
	19	56	72	64 ¹	64	29.581	29.556	29.538	1	10	W.	S. W. ²	S. W.	-
	20	65	70	70	68	29.431	29.249	29.204	10	10	S. E. ²	S. E.	6 a.m.	
D	21	55 ²	61	52	56	29.167	29.146	29.402	10	6	N. W. ²	N. W. ³	9 a.m.	2.15
	22	50	63	64	56	29.588	29.514	29.528	0	1	W.	W. ²	-	
	23	55 ²	66 ²	55	59	29.497	29.522	29.592	2	4	W.	N. E.	-	
	24	56	68	61 ¹	62	29.594	29.482	29.440	10	4	E.	S. E. ²	-	
	25	64	63	66	61	29.240	29.026	29.117	9	0	S. W.	S. W. ²	1 p.m.	.47
	26	51	57	50	56	29.253	29.352	29.530	1	3	W. ⁴	N. W. ²	-	
	27	44	55	47	49	29.670	29.596	29.574	8	9	W.	N. W. ³	-	
	28	43	57	42	47	29.410	29.339	29.595	7	4	W.	N. W. ²	-	
	29	36	48	40	41	29.734	29.703	29.708	1	1	N. E.	N. E.	-	
	30	34	47	36	39	29.846	29.834	29.897	0	1	N. E.	N. E.	-	
Means,	54	65	56	58	58	29.459	29.416	29.454	4.4	3.5			Amount,	6.02

[Oct.]

Amount of Rain and Snow registered at the State Lunatic Hospital, Worcester, Mass., for Nineteen Years.

YEAR.	DECEMBER.		JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		TOTAL.					
	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.	Monthes.	Days.				
1841-2.	4.77	6.	1.35	5.	4.13	3.	2.24	4.	2.24	5.	5.05	2.	2.82	10.	3.24	-	4.93	-	1.96	-	7.12	-	3.50	-	.83	-	3.36	-	40.25	18.
1842-3.	5.30	26.	2.28	23.	3.14	13.5	1.44	12.	3.80	18.5	3.13	10.	1.73	-	3.67	-	4.15	-	9.19	-	1.25	-	5.19	-	3.63	-	51.69	94.		
1843-4.	2.05	8.	4.17	12.	2.61	20.	1.61	-	3.23	-	3.23	-	1.92	-	3.50	-	3.14	-	3.14	-	3.68	-	7.34	-	3.06	5.	37.57	72.		
1844-5.	5.39	13.	2.92	13.	2.50	30.	3.33	-	1.34	-	5.85	-	2.37	-	2.37	-	2.37	-	2.37	-	2.44	-	2.57	-	4.44	-	39.66	54.		
1845-6.	5.39	13.	2.87	9.	4.08	17.	3.89	8.	4.66	5.	1.67	-	1.63	-	5.29	-	4.86	-	4.20	-	7.17	-	2.19	-	4.08	5.	37.12	61.		
1846-7.	4.93	10.5	3.08	4.5	1.61	25.	3.89	6.	1.52	5.	6.82	-	1.52	-	3.13	-	3.13	-	3.13	-	2.36	-	5.75	-	1.94	8.	39.53	59.		
1847-8.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.23	20.	3.67	20.	1.95	13.	5.53	13.	3.56	13.	1.25	13.	1.60	-	4.28	-	6.45	-	38.20	44.5
1848-9.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1849-50.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1850-1.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1851-2.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1852-3.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1853-4.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1854-5.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1855-6.	4.93	10.5	3.93	25.	4.79	15.	3.12	8.5	4.01	1.5	3.40	18.	6.76	-	4.73	-	3.16	-	3.16	-	3.75	-	6.05	-	7.92	-	3.47	5.	54.42	59.
1856-7.	4.08	3.	4.48	29.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.	6.5	24.		
1857-8.	5.33	9.	2.13	8.5	1.10	45.	2.13	8.5	1.10	45.	2.13	8.5	1.10	45.	2.13	8.5	1.10	45.	2.13	8.5	1.10	45.	2.13	8.5	1.10	45.	2.13	8.5		
1858-9.	4.09	6.25	4.95	23.	3.67	18.75	7.71	4.75	2.90	1.	3.66	-	5.17	-	1.26	-	5.45	-	4.00	-	6.70	-	3.09	-	4.62	4.	42.07	60.25		
1859-60.	4.55	19.	1.34	14.75	2.77	20.	2.26	6.75	1.36	-	2.66	-	6.65	-	7.91	-	6.02	-	-	-	2.46	3.	-	-	4.12	28.	41.28	60.50		
Sums,	80.09	245.75	68.10	218.80	6.14	259.75	64.49	169.82	75.39	52.	80.51	-	65.51	-	72.70	-	104.79	-	72.72	-	81.09	4.	75.21	43.62	897.58	1006.85				
Means,	4.21	12.93	3.5	11.51	3.27	13.67	3.39	8.93	3.97	2.74	4.24	-	3.45	-	3.83	-	5.51	-	3.83	-	4.5	.21	4.18	2.42	47.24	52.99				

Weather and Wind, 1859–60.

WEATHER AND WIND.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	Total.
Number of days clear, .	.	.	1	—	1	—	—	3	1	—	—	—	6
Number of days cloudy, .	.	30	30	31	29	28	29	31	30	31	30	31	360
11 Number of days rainy, .	6.	8	17	14	14	11	15	6	13	17	15	8	144
Number of days N. wind, .	.	—	2	—	—	—	—	—	1	—	—	—	3
Number of days N. W. wind, .	.	11	4	9	4	7	7	4	—	4	6	1	2
Number of days W. wind, .	.	—	2	—	—	—	—	—	1	—	—	3	7
Number of days S. W. wind, .	.	6	6	2	5	6	4	2	4	9	8	4	61
Number of days S. wind, .	.	—	—	—	—	—	—	—	—	—	—	—	—
Number of days S. E. wind, .	.	—	—	—	—	—	—	—	1	—	—	1	3
Number of days E. wind, .	.	—	—	—	—	—	—	—	—	—	—	—	—
Number of days N. E. wind, .	.	3	—	6	1	3	2	5	4	5	2	1	2
													34

REMARKS.

By clear days is meant days entirely clear; *i. e.*, no cloud whatever being visible.

By rainy days, that more or less rain fell, without any reference to quantity.

Summary of Meteorological Observations, 1859-60.

AVERAGE FOR	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septem'r.	Year.
Thermometer,	{ 7 A. M. 2 P. M. 9 P. M. daily,	41 53 44 46	37 48 38 41	22 28 23 24	24 33 25 27	21 31 27 26	32 44 36 37	39 51 42 44	62 64 53 56	64 72 65 66	65 74 63 67	54 76 67 69	43 53 45 47
Barometer,	{ 7 A. M. 2 P. M. 9 P. M. daily,	29.535 29.321 29.369 29.419	29.563 29.528 29.553 29.548	29.478 29.454 29.490 29.474	29.414 29.377 29.395 29.395	29.501 29.427 29.408 29.445	29.288 29.226 29.275 29.263	29.352 29.321 29.366 29.424	29.444 29.399 29.434 29.346	29.283 29.247 29.266 29.265	29.357 29.319 29.340 29.339	29.459 29.416 29.454 29.443	29.423 29.367 29.394 29.395
Cloudiness,	{ 7 A. M. 2 P. M. 9 P. M. daily,	4.3 4.9 3.1 4.1	5.0 4.7 3.8 4.5	7.0 4.9 5.9 5.9	4.1 5.1 4.9 4.7	6.0 6.1 5.3 5.8	4.5 5.5 3.0 4.3	5.4 5.9 4.5 5.3	5.8 5.5 4.5 5.3	4.8 5.2 4.4 4.8	5.4 5.9 3.5 4.5	4.4 4.1 3.5 4.0	5.2 5.3 4.3 4.9
Inches Rain and Snow Water,		2.46	3.00	4.55	1.34	2.77	2.26	1.36	2.66	6.65	7.91	5.76	6.02
" Snow,				-	19.	14.75	20.	6.75	-	-	-	-	60.5

Flowering Season on Hospital Hill for Twenty-Two Years.

Trees, Shrubs, ETC.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.
Almond, Flowering,	May 12	May 13	May 13	May 25	May 9	May 10	May 4	May 6	May 25	May 12	May 23
Apple,	May 10	-	May 11	April 24	May 14	May 14	May 2	May 4	May 22	May 9	May 18
Arbutus, Trailing,	-	-	-	April 17	March 27	-	April 10	-	-	April 6	April 13
Ash, Mountain, . . .	April 18	April 19	April 19	April 28	May 8	April 23	April 25	April 2	April -	April -	June 3
Bloodroot,	-	-	May 23	June 4	-	29	-	1	29	-	-
Callicanthus,	-	28	April 25	May 15	24	9	May 22	May 15	28	-	-
Cherry, " Wild, . . .	May 6	May 2	May 2	May 21	May 5	15	May 28	April 24	April 10	May 13	May 6
Crocus,	April 8	April 1	-	April 7	April 15	-	April 12	April 9	April 24	April 10	April 20
Currant, Missouri, . .	-	23	23	16	May 1	8	May 8	May 25	May 28	May 12	May 28
Dandelion,	-	-	-	April 16	16	9	23	23	28	15	-
Daphne Mezereum, . .	-	-	-	-	8	May 1	-	8	March 28	10	15
Fever Bush,	-	-	20	28	-	28	-	17	April 29	20	3
Geranium Maculatum, . .	May 21	May 18	May 18	May 27	14	25	-	May 22	May 25	May 2	-
Honeysuckle Tart, . .	May 13	16	20	-	21	-	15	15	27	19	-
Horse-Chestnut,	-	-	-	-	April 12	April 29	-	April 1	April 12	April 14	April 23
Hyacinth,	April 16	April 16	April 24	April 25	May 3	25	April 21	April 13	April 25	-	-
Leatherwood,	April 16	May 16	April 16	May 27	-	May 24	May 4	May 8	May 25	May 17	May 24
Lilac,	May 18	-	May 30	-	May 20	-	May 22	May 15	17	21	June 3
" Persian,	April 9	April 10	April 23	May 30	30	April 28	April 12	April 1	April 15	9	April 24
Liverwort,	-	-	May 25	May 27	19	April 22	April 12	April 21	April 10	21	April 16
Maple, Red,	-	May 19	May 19	April 22	May 19	-	April 28	-	-	16	11
Narcissus,	-	5	1	-	-	-	April 12	April 21	April 15	17	May 5
Peach,	-	-	-	-	-	-	May 12	May 1	11	26	7
Pyrus Japonica,	-	-	-	-	-	-	May 14	May 24	May 23	11	6
Rose, Russian,	June 2	June 3	-	-	-	-	May 15	May 17	June 5	23	3
" Scotch,	May 27	May 26	-	-	-	-	May 1	22	-	27	14
Shad Bush,	2	27	-	-	29	13	April 21	4	April 27	5	7
Violet, Blue,	-	-	-	-	*23	7	May 15	-	May 9	9	2
Wind Flower,	April 20	April 24	-	-	-	7	April 18	-	-	-	-

Flowering Season, &c.—Continued.

TREES, SHRUBS, ETC.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.
Almond, Flowering, .	May 23	May 18	May 15	May 18	May 15	May 20	May 19	May 15	May 17	May 15	May 10
Apple, .	April 10	April 10	April 13	April 9	April 18	April 15	April 15	April 17	April 16	April 2	April 4
Arbutus, Trailing, .	June 6	June 1	June 5	May 22	May 30	June 12	May 12	April 23	Feb. 2	April 13	April 11
Ash, Mountain, .	-	April 23	May 3	April 26	May 12	May 12	May 12	May 31	June 6	April 26	June 1
Bloodroot, .	-	May 23	May 25	June 4	June 6	June 4	June 6	April 13	May 13	April 26	May 4
Calicothrix, .	-	May 3	May 25	April 29	May 10	May 8	May 7	April 16	May 10	April 10	May 19
Cherry, Wild, .	May 6	-	-	April 10	April 9	April 7	April 10	April 12	April 6	March 23	April 1
Crocus, .	April 10	-	-	April 6	April 25	April 23	April 11	May 11	May 14	April 1	April 14
Crocus, Missouri, .	May 6	May 15	May 22	May 12	May 10	May 17	May 11	May 14	May 2	May 7	May 3
Dandelion, .	April 6	March 30	April 11	April 14	April 8	April 20	April 24	April 16	April 16	April 6	March 31
Daphne Mezereum, .	-	May -	May 30	May 11	May 22	May 30	May 30	May 23	May 13	April 13	April 13
Fever Bush, .	-	May 30	May 18	May 28	May 13	May 20	May 23	May 23	May 13	April 13	April 13
Geranium Maculatum, .	May 3	May 22	May 24	May 28	May 13	May 17	May 20	May 25	May 25	May 3	May 23
Honeysuckle, Tart, .	22	April 19	28	April 25	May 6	June 2	June 20	May 27	May 25	May 22	May 18
Horse Chestnut, .	April 18	April 12	12	April 29	May 6	June 16	April 17	April 17	April 17	April 13	April 6
Hyacinth, .	May 13	-	-	May 27	May 17	May 22	May 20	May 24	May 24	May 22	May 22
Leatherwood, .	May 28	May 25	24	April 25	April 23	April 26	April 17	April 31	April 26	April 26	April 26
Lilac, .	June 7	April 22	April 25	April 25	April 23	April 23	April 2	April 19	April 19	April 19	April 19
" Persian, .	June 26	April 26	25	April 25	April 23	April 23	April 23	April 22	April 22	April 22	April 22
Liverwort, .	April 23	May 3	28	April 21	April 11	April 23	April 19	April 19	April 19	April 19	April 19
Maple, Red, .	May 27	May 19	May 29	May 26	May 28	May 30	May 18	May 18	May 18	April 28	April 28
Narcissus, .	6	April 30	5	April 11	April 30	May 9	May 8	May 13	May 13	April 14	April 14
Peach, .	6	May 8	24	June 9	June 2	June 6	June 4	June 3	June 12	May 15	May 15
Pyrus Japonica, .	June 14	June 6	6	April 28	May 4	May 30	May 6	May 10	May 27	April 22	April 22
Rose, Russian, .	May 7	May 6	April 24	April 24	April 23	April 30	May 10	May 16	May 16	April 30	April 30
" Scotch, .	8	-	April 24	April 6	April 6	May 12	May 10	May 15	May 15	April 29	April 29
Shad Bush, Blue, .	-	-	April 24	-	-	May 3	May 5	May 5	May 5	April 4	April 4
Violet, Blue, .	-	-	-	-	-	May 12	May 10	May 15	May 15	April 29	April 29
Wind Flower, .	-	-	-	-	-	May 30	May 30	May 30	May 30	April 12	April 12

B Y - L A W S

OF THE

STATE LUNATIC HOSPITAL,

A T W O R C E S T E R .

BOSTON:

WILLIAM WHITE, PRINTER TO THE STATE.

1860.



B Y - L A W S

14

ESTABLISHED BY THE TRUSTEES OF THE STATE LUNATIC
HOSPITAL IN WORCESTER.

CHAPTER I.

Organization and Meetings of the Board of Trustees.

SECTION 1. The Board of Trustees shall be organized as soon as may be, after the annual appointment of the members, at a meeting to be called by the Trustee who is first named in the commission of the Governor, at which meeting one of the Trustees shall be appointed Chairman, and another Secretary of the Board. In case of the death, sickness, or absence of the Chairman, such other Trustee as may be first named in the commission of the Governor, shall perform the duties of Chairman until the Board, at its next following meeting, shall make an appointment.

SECT. 2. The Chairman shall call meetings of the Board as often as he may deem the same expedient, or whenever he shall be requested to do so by any two Trustees. He shall preside at all meetings, shall prepare the annual report required to be laid before the Governor and Council, and shall be the organ of the Board in receiving and preparing all official communications in relation to its concerns.

SECT. 3. The Secretary shall keep a record of the proceedings of the Board, and shall prepare, or cause to be prepared, all documents, statements, and notices, which may be directed by the Board or by the Chairman. Whenever directed by the Board or Chairman, he shall give notice, in writing, to each Trustee, of the time and place appointed for a proposed meeting of the Board. He shall promptly communicate to the Treasurer all the proceedings of the Board in relation to the settlement of accounts with patients, and the financial concerns of the institution. To assist him in the performance of his duties, he shall be authorized to employ the clerk residing at the hospital.

SECT. 4. The monthly, semi-annual, and annual visitations of the hospital shall be made, so far as may be, in connection with the meetings of the Board; and, otherwise, in conformity to such arrangement as the Board may, from time to time, adopt.

SECT. 5. The annual meeting of the Board shall always be held between the first and fifteenth of October, for the purpose of receiving and auditing the annual report of the Treasurer, and of considering and adopting the annual report of the Board, as prepared by the Chairman, in order that the same may be seasonably forwarded to the office of the Secretary of the Commonwealth.

SECT. 6. The Treasurer's report shall contain a statement of all receipts and expenditures for the year ending the last day of September in each year; and all bills for board and expenses of patients shall be payable to the Treasurer on the first days of January, April, July, and October, in each year.

SECT. 7. The Trustees shall at their annual meeting in each and every year, fix and establish the price to be charged for the board of patients at the hospital, according to the provisions of law in that behalf made and provided.

C H A P T E R I I.

Officers of the Hospital, Tenure of Office, and Salaries.

SECTION 1. For conducting efficiently and economically the business of the institution, the following officers shall be appointed by the Trustees, viz.: a Superintendent, a Treasurer, one Assistant-Physician, a Steward, and a Matron.

SECT. 2. The several officers appointed by the Board shall hold their offices during the pleasure of the Board, and shall not resign their offices without giving to the Board at least six months' notice of their intention so to do.

SECT. 3. The salaries of the officers shall be established as follows, viz.:—

The Superintendent shall receive the sum of eighteen hundred dollars per annum, and shall be provided with furnished apartments, and also board and fuel for himself and family; together with the services of one female domestic, and horse-keeping for one horse.

The Treasurer shall receive the sum of six hundred dollars per annum.

The Assistant-Physician shall receive the sum of five hundred dollars for the first year, six hundred dollars for the second year, seven hundred dollars for the third year, and nine hundred dollars for the fourth and each succeeding year, together with board and fuel, and the use of a furnished apartment.

The Steward and Matron shall receive jointly the sum of seven hundred dollars per annum, together with board and fuel, and the use of furnished apartments.

CHAPTER III.

Duty of Superintendent.

SECTION 1. The Superintendent shall be a physician, and shall constantly reside at the hospital.

SECT. 2. He shall have the superintendence of the hospital, and of all the buildings and grounds connected therewith, the oversight and charge of the patients, and the general direction of all the concerns of the institution, subject to such regulations as may be from time to time established by the Trustees.

SECT. 3. He shall visit all the patients personally, or learn their condition daily, and as much oftener as may be necessary, and shall direct such medical, moral and physical treatment as may be best adapted to their relief, giving the fairest trial to kind and moral management.

SECT. 4. He shall cause to be kept a record showing the name, age and residence of each patient, the time when received and removed, whether cured or relieved, whether eloped or dead, and if dead, from what cause.

SECT. 5. He shall receive and answer all communications relating to the concerns of the institution, and shall cause a record of his correspondence to be regularly kept.

SECT. 6. Under the general direction of the Trustees, he shall, from time to time, appoint such persons as he may deem qualified to perform the duties of clerk and apothecary, supervisors of departments, overseers of the laundry, bakery and workshops, watchmen, farmer, and also all necessary attendants, in the galleries, laundry, bakery, kitchen, workshops, and on the farm, and shall contract with them to perform the services required of them by the by-laws, on such conditions and at such rate of weekly or monthly wages as he shall deem expedient.

He shall see constantly that all persons thus employed by him, and also all subordinate officers appointed by the Board, perform faithfully the duties required of them, and from time to time he shall give them such instructions as he may deem necessary to secure the exact and thorough performance of their respective duties.

He shall be authorized to discharge from service any of the persons thus appointed by him, upon their request, or whenever he shall cease to be satisfied in respect to the performance of their duties.

SECT. 7. At each monthly visit of the Trustees he shall exhibit all the records, and in a verbal or written report shall make known the state of the institution, specifying the cases of patients received or removed during the month, and accompanying the same with such suggestions and remarks as he may deem useful.

SECT. 8. At the annual meeting of the Trustees he shall submit a report in writing, upon such topics as may have been suggested by the progress of the institution and the experience of the year, including therein a tabular statement comprising all important particulars from the records.

CHAPTER IV.

Duty of Treasurer.

SECTION 1. The Treasurer shall give bonds for the faithful performance of his duties, in the sum of fifteen thousand dollars, with such sureties as shall be approved by the Trustees.

SECT. 2. He shall receive, hold and disburse all the moneys which may be granted by the legislature or obtained from other sources for the use of the Hospital ; and once in each year, and oftener if required by the Trustees, he shall exhibit an account of his receipts and expenditures, with all the vouchers therefor, for the examination of the Board.

CHAPTER V.

Duty of the Assistant-Physician.

SECTION 1. The Assistant-Physician shall always be a physician, and shall constantly reside at the hospital. He shall exercise a general supervision of all the patients, under the direction of the Superintendent.

SECT. 2. The Assistant Physician shall visit all the patients in his department daily, and oftener if necessary ; carefully observe their condition, wants and treatment, and see that they have food, medicine, exercise, amusements, clothing and bedding suitable for them ; exert what moral influence he can with them, and endeavor in every way to promote their comfort and recovery.

SECT. 3. He shall see that the subordinate officers and attendants are faithful and kind, attentive to the wants of the patients, and vigilant in the discharge of all their duties, and he shall enter in a book kept for the purpose all instances of neglect of duty observed by him, or of which he may receive information, which shall be immediately reported to the Superintendent.

SECT. 4. For the due performance of the duties enjoined in the foregoing sections he shall spend much time in his department, shall be in constant communication with the supervisors, overseers and attendants, and shall carry out the plans and instructions of the Superintendent in the best manner he is able.

SECT. 5. He shall report to the Superintendent daily the general condition of his department, and the particular state of such patients as may be sick or greatly excited, requiring restraint or seclusion.

SECT. 6. He shall attend to the warmth, cleanliness, ventilation, and good order of his department, and superintend the use of the bath.

SECT. 7. He shall keep records of the cases of all the patients, describing the symptoms, the changes that may occur from time to time, the mode of treatment and all the peculiar circumstances connected therewith.

SECT. 8. He shall attend to visitors when necessary, and shall always be ready to perform whatever services may be required of him by the Superintendent.

CHAPTER VI.

Duty of Steward.

SECTION 1. The Steward, under the direction of the Superintendent, shall purchase furniture, fuel, stores, stock for the workshops, implements and cattle for the farm, and all other necessary articles, and shall be responsible for the economical use of the same.

SECT. 2. He shall keep clear and methodical and exact accounts of all receipts and expenditures, and of charges against patients, and shall submit the same, together with proper vouchers therefor, to the Treasurer, at least once in three months, and as much oftener as the Treasurer shall require.

SECT. 3. Under the direction of the Superintendent, he shall attend to engaging and discharging the subordinate officers and attendants, and to the settlement of their wages, for which latter purpose he shall keep regular accounts with them.

SECT. 4. He shall constantly observe the conduct of the subordinate officers and attendants, and see that in all respects they do their duty, and forthwith report to the Superintendent any instance of misconduct or negligence on their part which he may observe or of which he may be informed.

SECT. 5. He shall attend particularly to the business of the laundry, bakery, workshops and farm ; shall see to the cleansing of the sewers as often as may be necessary, and that the grounds, yards and roads, the aqueduct, laundry, bakery, workshops, barns, and other out-buildings are always kept in order in conformity to such directions as he may receive from the Superintendent.

SECT. 6. He shall perform all services that may be required of him in maintaining the police of the establishment ; shall see to the opening and closing of the house, and that the attendants rise and commence business immediately after the ringing of the bell, and that they retire in proper season at night ; that the bell is rung at proper times, and that the fires are regularly kindled and extinguished. He shall go in search of elopers ; shall observe the conduct of inmates at the religious and

other meetings; and when in the wings, shall exert all the good influences he can to promote the comfort and recovery of the patients.

SECT. 7. He shall receive visitors, give them all suitable information, and accompany them personally to such parts of the buildings and grounds as, by the permission of the Superintendent, are open for examination.

SECT. 8. He shall be at all times ready to perform whatever extraordinary services shall be required of him by the Superintendent.

CHAPTER VII.

Duty of Matron.

SECTION 1. The Matron shall have the general direction of the domestic concerns of the hospital.

SECT. 2. She shall attend to the cleanliness and good order of the apartments, have care of the cooking, sewing, clothing and bedding, and in connection with the Steward, shall take the general direction of the washing, ironing and baking.

SECT. 3. She shall see that all the female attendants are faithful and diligent in the discharge of their duties, kind and pleasant to patients wherever they meet them, discreet and regular in their deportment, and that they observe all the regulations of the hospital.

SECT. 4. She shall be in the way of seeing the patients frequently, and shall be careful always to exert a good moral influence on them and the attendants, and shall spare no effort to promote the comfort and good order of the household.

SECT. 5. She shall be at all times ready to perform whatever extraordinary services shall be required of her by the Superintendent.

CHAPTER VIII.

Duty of Clerk and Apothecary.

SECTION 1. The Clerk and Apothecary shall keep the records of the hospital, under the direction of the Superintendent; he shall copy, seal and direct letters, make copies of all documents and other papers, post the books of the Steward, keep the weather table, and perform all other clerical services which may be required by the Superintendent or by the Secretary of the Board of Trustees.

SECT. 2. He shall also prepare and put up the medicines prescribed by the Superintendent and Assistant-Physician.

SECT. 3. He shall keep the office in order, wait upon visitors, and perform what other services shall be required of him by the Superintendent.

CHAPTER IX.

Duties of the Supervisors.

SECTION 1. The Supervisors of the respective departments are responsible in a great measure for the order and discipline of the institution. It is their duty to see that the rules of the hospital are carried out in every particular, and that every patient is treated with uniform kindness and attention.

SECT. 2. They will administer all medicines prescribed by the Superintendent or Assistant-Physician, and see that their orders are most strictly observed.

SECT. 3. They will pass all their time in the wards of their respective departments, and assist their attendants in their efforts to amuse, interest and employ the patients under their care.

SECT. 4. They must prevent, in every possible way, any disturbance, noise or confusion among the patients.

SECT. 5. They must report at once all irregularities in the conduct of the attendants, or neglect in the performance of duties that may come under their notice.

SECT. 6. They will act as mediums or messengers between the attendants and office, receiving and transmitting all messages and requests between the same.

SECT. 7. They should report to the Superintendent each day, before the regular visit of the Superintendent and Assistant-Physician, the general condition of the patients.

SECT. 8. They must have the general charge and supervision of the clothing of patients, and of the beds and furniture in the wards.

SECT. 9. They shall have the general charge and direction of the sick, and must know that orders of the Superintendent and Assistant-Physician are faithfully executed.

SECT. 10. They shall in every possible way promote the general interests of the Hospital, and be at all times in readiness to perform any service required by the Superintendent.

CHAPTER X.

Duty of Attendants.

SECTION 1. *Treatment of Patients.*—In all their intercourse with the patients, the Attendants shall treat them with marked respect and civility. They shall be kind and gentle in their manner, and avoid violence of every kind. They must answer, as well as they can, every civil question, and attend at once to every reasonable request. They

must be quiet and calm under every provocation, and never scold, threaten or recriminate ; and whenever they desire any thing done by a patient, they must request it in a respectful and becoming manner.

SECT. 2. In the care of the insane, sympathy, tact and kindness should always take the place of force and authority. But if unfortunately force must at any time be resorted to, the manner of its employment should take away its offensiveness.

SECT. 3. A cheerful look, a kind manner, a respectful demeanor, and sympathizing language, will do much towards quieting the most excited patient.

SECT. 4. The opposition patients make often arises from delusions that lead them to believe they are to be injured in person, property or character, so that every attempt to control them, to administer food, medicine or baths, or to do any thing for them, should be done in the most quiet and kind manner.

SECT. 5. Angry looks, cross words, violent actions, will destroy the patient's confidence, and, if he is subjected to such treatment in the commencement of his disease, will destroy all hope of recovery and cause years of suffering to him and anxiety to his friends.

SECT. 6. *Morning Duties.*—The Attendants shall rise in the morning at the ringing of the bell, and at once commence the labors of the day. On opening the doors of the patients' sleeping rooms, they shall greet the patients with expressions of kindness, see that they arise from bed, are neatly dressed, properly washed, and have their hair and clothes well brushed in time for breakfast at the prescribed hour.

SECT. 7. Immediately after the patients have arisen from bed the Attendants shall remove the chamber vessels, spread open the beds for airing, see that the soiled beds and bedding are removed, and put the beds in good order.

SECT. 8. The Attendants shall keep the patients' rooms and every part of the wards perfectly neat and clean at all times. "Nothing is clean enough if it can be made cleaner." This rule must be most scrupulously observed.

SECT. 9. Whenever any unpleasant odor is discovered, the cause is to be ascertained and removed at all times, day or night.

SECT. 10. Whenever any room, or any part of the wards, or any furniture is soiled, it must be cleaned immediately.

SECT. 11. Whenever any bed, or furniture has been disarranged it must be put in order promptly and cheerfully.

SECT. 12. The halls, sleeping-rooms, parlors, staircases and closets must be swept and brushed as many times each day as may be necessary to keep them perfectly clean.

SECT. 13. The windows, doors and standing work of the halls must be scrubbed as often as may be required.

SECT. 14. The urinals and water-closets must be thoroughly watched and frequently rinsed with hot water.

SECT. 15. Bedding, if wet only, must be cleansed by pouring hot water through the soiled part, and carefully dried before using.

SECT. 16. Clean linen must be put on each bed once in every week, and oftener if necessary. Spreads are to be sent to the laundry when soiled.

SECT. 17. If old or feeble patients wish to lie down during the day, they will go to their own room for that purpose, and the Attendant must assist them if necessary. When they leave their beds the Attendants will see that the beds are put in order, and, if soiled, that they are cleansed and dried.

SECT. 18. *Meals.*—The Attendants shall cause the tables to be properly laid. They shall see that the furniture of the tables is always neat and clean. And so far as they can shall make the table appear cheerful and inviting. The Attendants must always be present at the tables to prepare and distribute food to such patients as are not able to do it for themselves, and shall see that each one is well served. They shall be careful that no knife, fork, or other article is taken from the tables and carried from the dining-rooms by any patient.

SECT. 19. Patients who take their meals in their own rooms, or at a table in the ward, must be carefully served, and the Attendants must see that their food is brought to them warm and in good order. If necessary one Attendant must remain by them while they are eating.

SECT. 20. Patients are never to be forced to take food but by the express order and in the presence of the Superintendent or Assistant-Physician.

SECT. 21. The conduct of the table shall always be decorous. And for any deviation from the rules of propriety the Attendant in charge must be mainly responsible.

SECT. 22. *Baths.*—Every patient must take a warm bath once in a week, unless otherwise directed by the Superintendent or Assistant-Physician.

SECT. 23. The temperature of the bath may be such as is most agreeable to the patient.

SECT. 24. Those who desire to bathe daily must be gratified in this respect and assisted by the Attendants.

SECT. 25. All hot baths, foot baths, sponge baths and shower baths, directed by the Superintendent or Assistant-Physician, must be scrupulously administered by the Attendant in charge.

SECT. 26. In the bathing of patients the rules of delicacy must be most strictly observed in all cases.

SECT. 27. *Shaving.*—The shaving of patients must be done by the Attendant in each ward at regular intervals, and patients who desire to be shaved more frequently must be gratified.

SECT. 28. Great care must be taken that no injury is done at the time of shaving. No patient must be allowed to use a razor unless permission has been given by the Superintendent.

SECT. 29. When such permission has been granted, an Attendant must always be present.

SECT. 30. When an Attendant is engaged in shaving a patient, no other patient should be near.

SECT. 31. The shaving must always be neatly and quickly performed. The patient must not be sent from the chair until his face is smooth, clean and dry, and his hair and whiskers properly trimmed and brushed.

SECT. 32. *Patients at work on the Farm.*—Whenever it is thought advisable for patients to work on the farm or in the gardens, some general order to that effect will be given to the Farmer or some other responsible person, and no patient is ever to be taken from the wards and put to labor, unless some such order respecting the patient has been given.

SECT. 33. The Farmer or Attendant at work with such patients will be held strictly responsible for their safe keeping until they are returned to the proper ward.

SECT. 34. All farmers, mechanics and attendants are expected to work with the patients, and when thus employed will avoid every appearance of driving or superintending, instead of working with and assisting them.

SECT. 35. *Retiring at Night.*—Patients must not retire for the night before 8 o'clock, P. M., without permission from the Assistant-Physician, except in cases of sickness and fatigue.

SECT. 36. All those who do not attend chapel service at $8\frac{1}{2}$ o'clock must retire at that time, unless special permission has been given to the contrary.

SECT. 37. After returning from the chapel, patients may retire in every part of the house.

SECT. 38. At $9\frac{1}{2}$ o'clock all patients, attendants, and other persons employed must be in their rooms, and no light is to be kept burning unless in case of sickness, always excepting the one light in each ward, to be in readiness in case of accident.

SECT. 39. Before closing the door for the night, the Attendant should cheerfully bid the patient a "good night," and be sure the patient is comfortable in bed. The door then is to be carefully locked.

SECT. 40. No patient's door is ever to be left unlocked without permission from the Superintendent or Assistant-Physician.

SECT. 41. *Discipline.*—No patient is ever to be placed in his room in the day time until he is actually unsafe, and after all other means of control have failed. If placed in his room his case is to be reported at once. Under no circumstances whatever must it be done rashly or inconsiderately. When secluded in their own rooms they must be frequently observed, and reported if occupied in defacing the walls, injuring furniture, destroying clothing, or any unseemly act.

SECT. 42. No means of restraint is ever to be placed on a patient, except by the express order of the Superintendent and in his presence.

SECT. 43. *Escapes.*—Whenever a patient is missing he is to be reported at once, and all proper means taken to recover him under the direction of the Superintendent or Assistant-Physician.

SECT. 44. *Prohibited Articles.*—Patients are not to have possession of any knife, razor, or any other dangerous weapon, and whenever one is suspected of having any thing of the kind, a careful search is to be made for it until it is discovered.

SECT. 45. Patients are not to be supplied with tobacco, cigars, or any stimulating beverage.

SECT. 46. All letters, packages, &c., must pass through the office, and be inspected by the Superintendent or Assistant-Physician.

CHAPTER XI.

Duties of House Clerk.

SECTION 1. It shall be the duty of the House Clerk to receive and mark neatly and legibly all clothing brought with patients when they enter the hospital. She shall enter in a book kept for the purpose the name and number of every article, and also take charge of any jewelry, knives, scissors, razors, &c., and all moneys and papers, and be responsible for their safe keeping until permission is given by the Superintendent for their delivery to the patient.

SECT. 2. She shall also mark and register all clothing provided for patients during their stay in the hospital.

SECT. 3. She shall at all times be ready to assist the female patients in altering and repairing any article of clothing, and in every way make herself generally useful.

SECT. 4. She shall observe all the regulations of the hospital, and be ready at all times to perform any service required by the Superintendent.

CHAPTER XII.

Duty of the Baker.

SECTION 1. The Baker, under the direction of the Steward and Matron, shall prepare bread, pastry, and other articles pertaining to his department of cooking, and shall supply the kitchen with such quantity as may be required.

SECT. 2. He shall take care of all supplies furnished him for use, and shall be held responsible for the judicious and economical use of them.

SECT. 3. He shall take charge of the bakery and furniture, and always see personally to the fire and lights, and to the opening and closing of his department.

SECT. 4. He shall observe all the regulations of the hospital, and see that they are observed by all persons employed in the bakery, and shall immediately report every instance of remissness or neglect of duty to the Steward.

SECT. 5. He shall be ready at all times to perform any service which may be required by the Superintendent.

CHAPTER XIII.

Duty of Farmer.

SECTION 1. The Farmer, under the direction of the Steward, shall take care of the stock, barn, stables, and piggeries, shall see to the careful use and safe keeping of all implements of labor, and to the feeding and proper treatment of all the animals, and he shall have charge of the teams and of all the work done upon the farm.

SECT. 2. He shall be ready at all times to perform any service which may be required of him by the Superintendent.

CHAPTER XIV.

Duty of the Engineer and Fireman.

SECTION 1. It shall be the duty of the Engineer and Fireman to attend to and take care of the steam apparatus for warming and ventilating the hospital. He will also supply steam for cooking, bathing and laundry purposes, and also for the stables whenever needed.

SECT. 2. He must attend to the force pumps, and see that they are kept in working order, and shall keep them in action so much of the time as may be necessary.

SECT. 3. He must attend to the generation of steam so carefully as to be able to adapt it to all the variations of the temperature.

SECT. 4. He must keep his department in a perfectly neat and orderly manner.

SECT. 5. He will not permit any company or visitor in his department without permission from the Superintendent.

CHAPTER XV.

Duty of the Overseer of the Kitchen.

SECTION 1. The Overseer of the Kitchen shall have the general charge of all the cooking, under the direction of the Steward and Matron. He shall take care of supplies for the kitchen, and prepare food for the household as may be directed.

SECT. 2. He shall see to the proper distribution and delivery of food to the various wards, and shall be responsible for the cooking of the same.

SECT. 3. He shall personally take care of the fires and lights, and see that his department is properly closed for the night.

SECT. 4. He shall be mainly responsible for the conduct of such help as he may require in the performance of his duties.

SECT. 5. He shall at all times be ready to perform any service required of him by the Superintendent.

CHAPTER XVI.

Duty of the Laundress.

SECTION 1. The Laundress, under the direction of the Steward and Matron, shall have the general charge of the laundry. She shall on specified days collect the clothes and soiled linen from the place of their deposit, and cause them to be properly washed and ironed, and returned to the wards to which they belong.

SECT. 2. The soiled clothes and bed linen belonging in the centre building shall, on specified days, be taken from the rooms to which they belong, and after washing and ironing in a neat manner, shall be returned to the rooms from which they were taken.

SECT. 3. She shall take care of the laundry and its fixtures, keep them in good order, attend personally to the fires and lights, and secure the apartments at night.

SECT. 4. She shall observe all the regulations of the hospital, and see that they are observed by those employed in the laundry.

SECT. 5. She will not permit any visitor or company in the laundry, without permission from the Superintendent, Steward or Matron.

CHAPTER XVII.

Duties of the Watch.

SECTION 1. The Watchman will visit the office at half-past nine o'clock in the evening, to receive his instructions for the night, and immediately commence his duties.

SECT. 2. He shall be constantly awake, faithful and vigilant. He shall visit each ward in the male department at least every hour during the night. He must avoid noise, never converse in a loud tone with any one, and open and shut all doors as quietly as possible.

SECT. 3. In the treatment of patients he must observe the same rules as the Attendants.

SECT. 4. He must always attend to any want expressed by a patient.

SECT. 5. He must notice any unusual noise in a patient's room, and ascertain the cause, and if necessary give notice to the Attendant.

SECT. 6. He must give especial attention to the sick, and faithfully execute any order respecting them.

SECT. 7. He must be scrupulously watchful in regard to fire, and if one occurs must at once give notice to the Superintendent, but in no case make an alarm.

SECT. 8. He must be on service twelve hours of each day.

SECT. 9. He will at all times be in readiness to perform any service required by the Superintendent.

CHAPTER XVIII.

Duties of the Watchwoman.

SECTION 1. The Watchwoman will have charge of the female wards during the night, and be governed by the rules laid down for the Watchman.

CHAPTER XIX.

Duty of Overseers of Workshops.

SECTION 1. The Overseers of Workshops, under the direction of the Steward, shall take care of all stock supplied to them, and see that it is economically used and properly manufactured by the patients under their charge; and they shall keep regular accounts of all stock received and all articles manufactured, sold, or otherwise disposed of.

SECT. 2. They shall exercise a judicious and prudent oversight of all patients under their charge, and shall see them returned to the wards, or placed in the care of their respective attendants, when their labor is done.

SECT. 3. They shall take care of the apartments, and of all stock, tools, and fire therein; shall see to the fires and lights, and that the workshops are properly closed at night.

SECT. 4. They shall be ready at all times to perform any service which may be required of them by the Superintendent.

CHAPTER XX.

Attendance upon Religious Service.

SECTION 1. All persons employed in the hospital who are well, and can be spared from their duties in the house or in the wards, shall attend evening prayers, and the religious services on the Sabbath, both morning and evening, unless leave of absence be specially granted.

SECT. 2. Officers and Attendants shall take especial care that their demeanor during the services shall be strictly becoming and worthy of imitation; and it shall be considered a noticeable breach of duty, for any one to sleep habitually while present in the chapel.

SECT. 3. The attendance of patients in the chapel shall be under the direction of the Superintendent; and all the arrangements which he may direct concerning them shall be faithfully carried into effect by the other Officers and the Attendants.

CHAPTER XXI.

Duty of the Yard Attendant.

SECTION 1. Under the direction of the Steward, he shall take care of the yards and cellars. He shall keep all the walks, avenues and courts perfectly clean and neat. He shall remove all rubbish and filth, collect and take off whatever may be thrown from the windows of the wards.

SECT. 2. He shall keep the cellars and attics well swept and whitewashed, and shall remove the dust from the dust holes as often as may be necessary.

SECT. 3. He shall remove all the soiled straw beds, and at the request of the Supervisors shall return fresh and clean ones.

SECT. 4. He shall see that the doors and gates of his department are secured for the night, and shall be ready at all times to perform any service required by the Superintendent.

CHAPTER XXII.

Duties of Coachman.

SECTION 1. He shall take care of all carriages, horses and harnesses, &c., and see that they are at all times in good order and ready for use.

SECT. 2. He shall drive out with the patients at such times as may be directed by the Superintendent, and shall be careful that no accident occurs, and shall also see that the patients conduct themselves in a becoming manner.

SECT. 3. He shall never stop at any house, shop or store, or do any errands, or carry any messages or packages, without express direction from the Superintendent.

SECT. 4. He will at once report any impropriety that occurs during the ride.

SECT. 5. He will hold himself in readiness to perform any service required by the Superintendent.

CHAPTER XXIII.

Miscellaneous Regulations.

SECTION 1. No Officer or Attendant, while connected with the hospital, shall at any time make use of distilled spirits or intoxicating liquor of any kind, at home or abroad; nor shall any one make use of tobacco, or smoke a cigar or pipe about the premises.

SECT. 2. No company shall be admitted into the wards occupied by the patients, except by express permission from the Superintendent. All other parts of the hospital may be exhibited by the Assistant-Physician, and the Steward or Matron, at such times and under such restrictions as the Superintendent shall direct.

SECT. 3. The Attendants shall always keep themselves well dressed in neat and clean apparel.

SECT. 4. All persons employed at the hospital shall avoid the use of profane, obscene or vulgar language, treat each other with uniform civility, never indulge in loud talking or laughing, nor play at any game together without the permission of the Superintendent. In all respects they shall exhibit a good example to the patients, and shall be held strictly responsible for the bad influence of their conduct.

SECT. 5. All persons employed at the hospital shall accustom themselves to speak respectfully of the officers and the institution, and shall inculcate these sentiments in their intercourse with the patients; and they shall sustain and carry into operation all directions and prescriptions for the patients in the most ready and faithful manner.

SECT. 6. All persons who have duty to perform at the hospital shall rise in the morning at the ringing of the bell.

SECT. 7. Leave of absence will be granted to all persons employed in the various wards by the Superintendent, and in his absence by the Assistant-Physician.

SECT. 8. Leave of absence will be granted to all persons employed in the kitchen, laundry, bakery and serving rooms by the Superintendent, and in his absence by the Matron.

SECT. 9. Leave of absence will be granted to all persons employed on the farm and in the various workshops by the Superintendent, and in his absence by the Steward.

SECT. 10. All persons who shall agree to perform service at the hospital shall be considered as engaged for one year, unless a special contract shall be made for a longer or shorter term; and no person employed at the hospital shall discontinue service at or after the expiration of the year or term agreed for, without giving to the Steward at least thirty days' notice of an intention so to do.

SECT. 11. It is expected that the Attendants will devote their whole time to the interests of the hospital.

SECT. 12. They will never leave their duties without permission, and whenever leave of absence is given they will always leave their keys at the office until they return.

SECT. 13. When they go out they will never carry bundles, letters, or any thing for patients, or do any errand for them without permission from the Superintendent.

SECT. 14. The Attendants must on no account take any friend or visitor into any of the wards, without permission from the Superintendent.

D I E T T A B L E
F O R T H E S T A T E L U N A T I C H O S P I T A L .

SUNDAY.

Breakfast—Coffee, bread and butter, hash of fish and potatoes.

Dinner—Bread and butter, cheese, crackers and pie.

Supper—Tea or cocoa, bread and butter, cold meat and warm potatoes.

MONDAY.

Breakfast—Coffee, bread and butter, boiled eggs and warm potatoes.

Dinner—Boiled dish, vegetables, hasty pudding, and bread and butter.

Supper—Tea or cocoa, warm biscuit and butter, and cheese.

TUESDAY.

Breakfast—Coffee, bread and butter, hash of meat and potatoes.

Dinner—Roast meat, vegetables, and bread and butter.

Supper—Tea or cocoa, bread and butter, cheese and plain cake.

WEDNESDAY.

Breakfast—Coffee, warm biscuit and butter, cold roast meat and potatoes.

Dinner—Stewed or baked beans or stewed peas, vegetables, boiled rice and bread and butter.

Supper—Tea or cocoa, bread and butter, cheese and gingerbread.

THURSDAY.

Breakfast—Coffee, bread and butter, hash of fish and potatoes.

Dinner—Soup with meat, vegetables, pudding and bread and butter.

Supper—Tea or cocoa, bread and butter and sugar gingerbread.

FRIDAY.

Breakfast—Coffee, bread and butter, cold meat, warm baked or stewed beans or peas, and warm potatoes.

Dinner—Boiled dish, vegetables, pudding and bread and butter.

Supper—Tea or cocoa, warm biscuit and butter and cheese.

SATURDAY.

Breakfast—Coffee, bread and butter, hash of meat and potatoes.

Dinner—Salt or fresh fish, vegetables, boiled rice, and bread and butter.

Supper—Tea or cocoa, bread and butter, and tea cake.

The condiments provided, are salt, pepper, mustard, and vinegar. Toast, griddle cakes, fried pudding or cakes, to be used twice a week. Milk is used freely. Apples in the season of them are served every day at dinner, other fruits occasionally. The sick have a prescribed diet.

Time of Bell Ringing and Meals.

	Bell rings.	Breakfast.	Supper.
March 1 to 15, . . .	5½ A. M., 4½ P. M., .	7	5¼
" 15 to 31, . . .	5¼ " 4¾ " .	6¾	5½
April 1 to 15, . . .	5 " 5 " .	6½	5¾
" 15 to 30, . . .	4¾ " 5¼ " .	6½	6
May 1 to Sept. 1, . . .	4½ " 5½ " .	6	6
Sept. 1 to 15, . . .	4¾ " 5¼ " .	6½	6
" 15 to 30, . . .	5 " 5 " .	6½	5¾
Oct. 1 to 15, . . .	5¼ " 4¾ " .	6¾	5½
" 15 to 31, . . .	5½ " 4½ " .	7	5¼
Nov. 1 to March 1, . . .	5¾ " 4¾ " .	7	5

Bell rings week days at 12 M.
 " " every evening at 8½.
 " " Sundays at 2½ P. M.
 Dinner, week days at 12½ P. M.
 " Sundays at 12 M.

Supper, Sundays, half an hour earlier than on week days.

APR 25 '39 W.P.A.

